

# GRAIN DEALERS' JOURNAL

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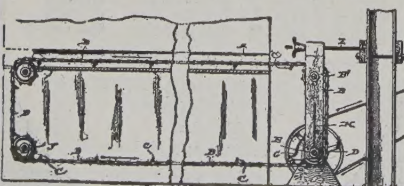
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Clark's Grain Tables for Car Loads, so extensively used for reducing pounds to bushels have been extended to cover the largest car loads. The book now contains 28 pages of tables as follows:

OATS (32 lbs.) six tables, 20,000 to 86,000 lbs.  
CORN (56 lbs.) eight tables, 20,000 to 108,000 lbs.  
WHEAT (60 lbs.) eight tables, 20,000 to 108,000 lbs.  
BARLEY (48 lbs.) six tables, 20,000 to 86,000 lbs.

The number of bushels in any weight of grain, within the numbers specified above are given in bold-faced type. The tables are printed in two colors on good paper. By their use all reductions are avoided and errors are prevented.

PRICE, \$1.50. Address.

**GRAIN DEALERS COMPANY,**  
10 Pacific Ave., Chicago, Ill.



# SOMETHING NEW.

## THE "EUREKA" DOUBLE SHOE COMPOUND MOTION, TWO-FAN SEPARATOR

Is the steadiest running; has greater capacity and has better air separations than any machine on the market. Construction and finish unequalled.



WE BUILD THIS STYLE MACHINE ENTIRELY OF IRON AND STEEL.

### The New Improved "EUREKA" Oat Clipper

Has greater capacity with minimum shrinkage. Large wide shoe. Most clipping surface. Built entirely of iron and steel.

### "EUREKA" Wheat Washing Whizzing and Drying System

Unequaled for efficiency on smutty and off grade wheats.

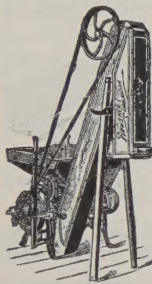
## THE S. HOWES COMPANY

Eureka Works, Est. 1856  
SILVER CREEK, N. Y.

NEW YORK OFFICE, 32 Broadway; CHICAGO OFFICE, 11 Traders Bldg.; MINNEAPOLIS OFFICE, 5 Chamber of Commerce; H. E. FURNAS, Spencer House, Indianapolis, Ind.; J. N. HEATER, Savoy Hotel, Kansas City, Mo.; E. E. HUNTER, 1423 Webster Ave., St. Louis, Mo.

## BOWSHER FEED MILLS

(Sold with or without Elevator)



The Bowsher Mill is the best all around feed grinder in the market. Is the **LIGHTEST RUNNING**. Has Conical shaped grinders. Can run empty without injury. It is different from all others. Seven sizes, ranging from 2 to 25 h. p.

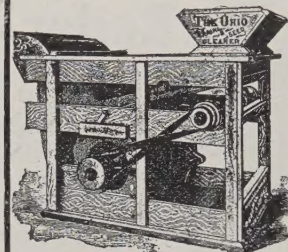
**CRUSHES and GRINDS** ear corn, (with or without shucks); grinds all kinds of small grain and Kaffir corn in the head.

High-priced grain incites feeders to economize. Ground feed is the economical feed. You ought to have a mill now. **Quit Thinking** about it. **COMMENCE** to investigate. Our catalog is sent for the asking.

**THE N. P. BOWSHER CO.,**  
SOUTH BEND, IND.

## The "OHIO"

Grain and Seed Cleaner



From 50 to 1,000 Bushels per Hour Capacity.

**Sold on Its MERITS.**

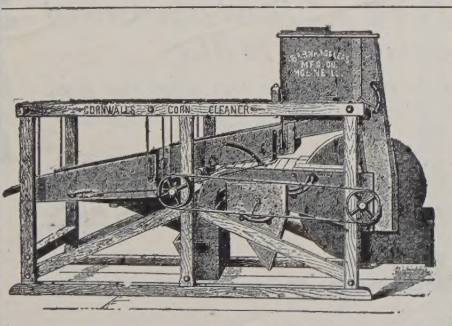
Machines sent on 30 days' trial.

It will clean any seed or grain that grows. Get our Catalog of Hand and Power machines.

**BEELMAN CABINET CO.**

36 Columbus St., Cleveland, O.

# Elevator Machinery and Supplies.



For the thorough cleaning of corn the Cornwall Corn-Cleaner is just the machine you need. It is provided with our patent sieves, which are the only form of sieve that will not clog, and which will remove the small cob ends and pieces of cob so common in corn cleaned by other machines.

**It is Dustless,  
Light Running and Durable.**

We also make Barnard's Two and Three Pair High Feed Mills, Barnard's Perfected Separators, The Victor Sheller and a complete line of Scourers, Oat Clippers, etc.

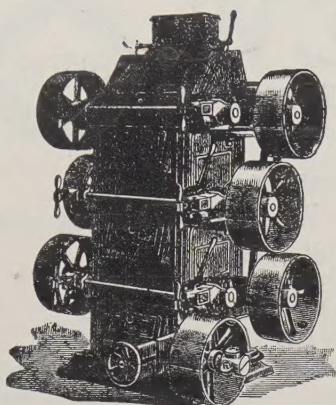
**We make or supply** Elevator Heads, Elevator Boots (either wood or cast iron), Distributing Spouts, Turn Heads, Indicators, Flexible Spouts for loading cars, Elevator Buckets. Belting—Chain, Leather, Cotton, Rubber. Everything needed in the elevator line

**Barnard & Leas Manufacturing Co.**

Builders of Elevators and Elevator Machinery

..... MOLINE, ILL. ....





## WE KNOW IT IS! WE ARE SATISFIED WE CAN CONVINCE YOU

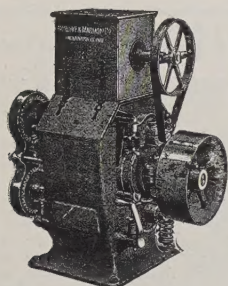
**SIMPLEST IN  
CONSTRUCTION.  
MOST DURABLE.  
MOST ACCURATE  
WORK.  
FINEST FINISH.**

The arrangement for leveling rolls is simple and accurate. Rolls can be thrown apart their entire length by one movement of the lever and brought back again to original position, requiring no resetting or experimenting.

Any of the rolls can be taken out of the frame by removing the small end-plate.

### MILL AND ELEVATOR SUPPLIES

**The Case Manufacturing Co.,**  
Columbus, Ohio.



3 Roll-2 Break Mill

## Feed Mills Roller and French Buhr.

For Durability, Simplicity, Large Capacity, Uniform Grinding and Light Running, our Mills are Unexcelled.

**WE  
MAKE**

THREE ROLL-TWO BREAK MILLS—2 sizes,  
THREE PAIR HIGH-6 ROLLER MILLS—4 sizes,  
TWO PAIR HIGH-4 ROLLER MILLS—5 sizes,  
And 85 Sizes and Styles of BUHR STONE MILLS.

Send for Catalog and Prices.

**NORDYKE & MARMON CO.,**

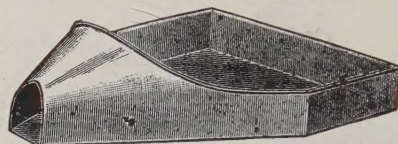
FLOUR MILL BUILDERS.

ESTAB. 1851.

37 Day St., INDIANAPOLIS, IND.

## Grain Sample Pan

For Examining Samples of Grain and Seeds



Made of Alluminum. The lightest pan made, will not Rust or Tarnish, always stays bright.

Grain Size, 2 1/4 x 12 x 16 1/2 ins. .... \$1.25

Seed Size, 1 5/8 x 9 x 11 ins. .... \$1.00

Grain Dealers Co., 255 La Salle St., Chicago, Ill.

## Table of Legal Weights

This table shows the legal weights in pounds per bushel of grain and grain products, etc., as provided for by law. This book is well bound in a strong cloth cover. Price 50 cts.

For sale by

**GRAIN DEALERS CO.,**  
255 La Salle St. CHICAGO, ILL.



## GRINDING MILLS.

Before purchasing a mill for grinding feed or meal, or anything that can be ground on a mill, write us for catalog and discounts. Guaranteed and shipped on trial.

Manufacturers of French Burr Mills, Corn Shellers, Crushers, and full line of Flour Mill Machinery.

SPROUT, WALDRON & CO., Drawer H, MUNCY, PA.



## EASY TO HANDLE

### Willford's Light-running Three-roller Mills

Are not only easy to handle, but grind the most feed for power consumed of any feed grinder made. Send for circulars and prices.

**Willford Manufacturing  
Co., 303 So. Third St., MINNEAPOLIS, MINN.**

## DO YOU WANT A FEED MILL?

If so write for Catalog  
and Prices of . . .

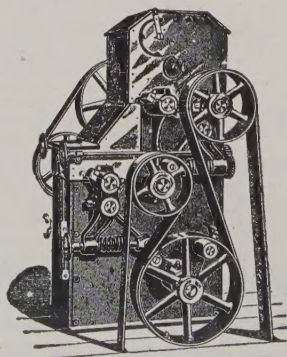
## Northways 4 and 6 Roller CORN and FEED MILLS

The Lightest Running Mill on the Market.

ELEVATOR MACHINERY AND SUPPLIES.

**Strong & Northway Mfg. Co.**

MINNEAPOLIS, MINN.



ROLL CORRUGATING A SPECIALTY.

## COAL SALES BOOK

FORM 44.

FOR RETAIL COAL DEALERS.

It facilitates bookkeeping, and reduces the chance of error. Practically three books in one. 1. It is the original entry of all sales made. 2. It is the original entry on the scale weights. 3. It is the Journal from which the posting is done.

It contains spaces for 6,000 loads. Each page is ruled with column headings, as follows: Date, Ledger Folio, Purchaser, Gross, Tare, Net Pounds. Price Per Ton, Amount.

This book is 8 1/2 x 14 inches and contains 150 pages of superior ledger paper. Each page is numbered. It is well bound with best binder board, covered with cloth, has leather back and round leather corners. Price, \$1.75.

FOR SALE BY

**Grain Dealers Company,**

255 La Salle St.

CHICAGO, ILL.



## A Steel and Concrete Elevator.

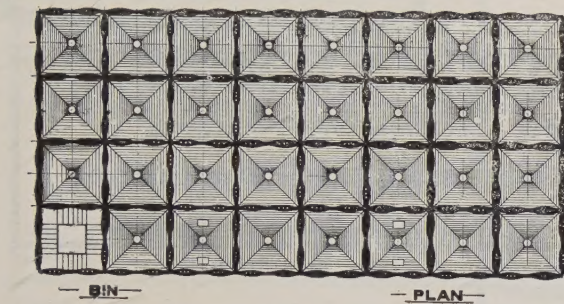
Grain men who contemplate the building of an elevator for transfer or storage purposes nowadays demand that the building shall be constructed of fireproof material, such as steel, cement, brick or tile.

The latest design of a fireproof elevator is one to be built of steel and concrete. The accompanying engravings show the foundation and bin plans and side and end elevation of the elevator. The principal feature of this elevator is the con-

prevent the heating of grain. The material is all shipped from the mills to be put together with bolts, so no skilled labor is required.

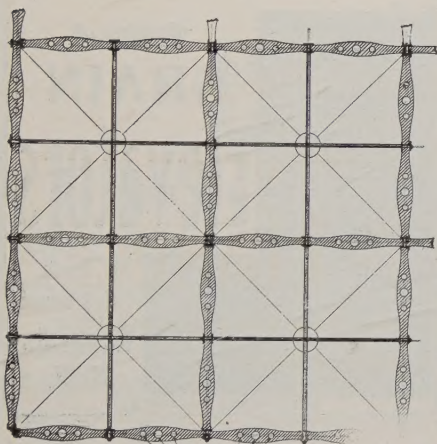
It is claimed that this style of an elevator can be built at three-quarters the cost of steel houses.

The side elevation shows the house to

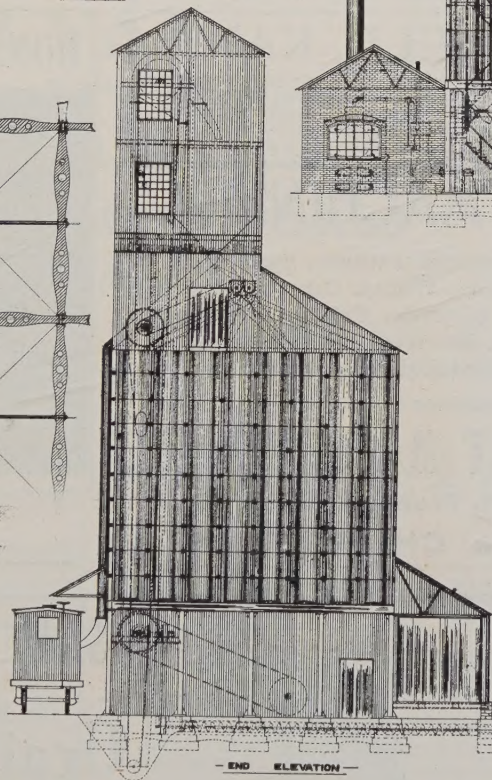


BIN

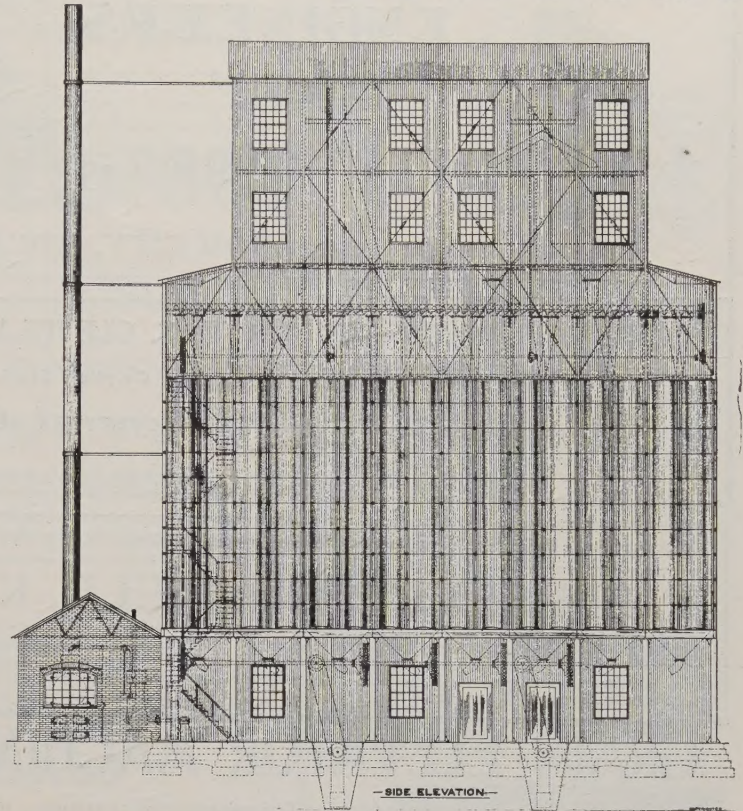
PLAN



SECTION THROUGH BINS SHOWING DETAIL CONSTR.



END ELEVATION



SIDE ELEVATION

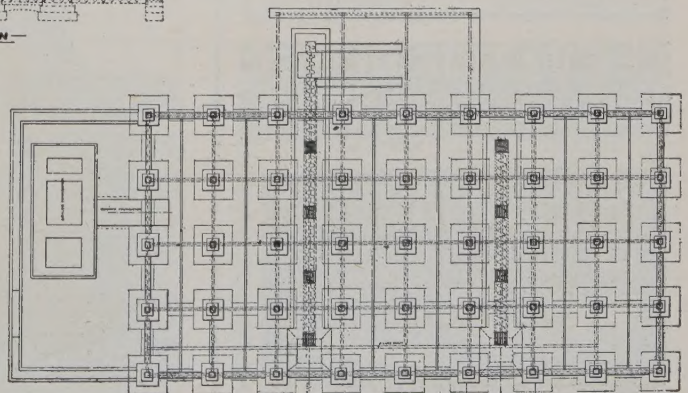
have two elevator legs, one emptying direct to the conveyors and the other into two hopper scales. The grain can be spouted from the hopper scales direct to the loading spout or to the conveyor.

Grain is carried to the distributing spouts by means of a spiral conveyor, also to the boots from receiving sinks by the same method.

Power is transmitted to the line shaft in cupola by a rope drive. The loading spout is on the outside of elevator, leaving the inside of house at top of bins.

This elevator was designed by C. M. Seckner of the Seckner Co., 115 Dearborn street, Chicago, Ill.

struction of the bin walls. The corners are formed of channel and angle iron so placed that channel forms a groove or slot for holding an end of the concrete block. At the middle of the side of each bin are two channel irons placed back to back, which forms other grooves for the same purpose. The sides of the bins are built from concrete blocks, the ends of which fit into the channel grooves. The concrete blocks are designed and constructed to carry a load four times greater than can be placed upon them. Each block has three ventilating flues, which when in place cause a continuous flow of air from bottom to top of each bin on all four sides. This, it is claimed, will



FOUNDATION PLAN



## GRAIN ELEVATOR BUILDERS.

## YOUNGLOVE &amp; BOGGESS CO.

## ENGINEERS

DESIGNERS and  
BUILDERS of

## ELEVATORS



This is a cheap job and will cost a new price to make it hold grain.



This is the kind we build.

MASON CITY, IOWA.

Reliance Mfg. Co.  
LARGEST  
ELEVATOR BUILDERS

In the State. We build up-to-date elevators cheaply and quickly. Investigate our system of handling grain before you decide on plans. We may have just what you want.

We also manufacture the

## RELiance GRAIN CLEANERS

and carry a full line of Elevator Supplies.

1521-1523 Bates St., INDIANAPOLIS, IND.

## Something New. Aspirator Boots

Made of cast iron, wood or steel. All elevators should have them. Write to WM. W. LOCKWOOD, Winfield, Kan. I also make other novel and up-to-date articles for grain elevators; car pullers, friction clutches, etc.; can prepare your plans, furnish the entire equipment, superintend your work, or contract for the plant complete. Send for catalog.

## W. S. CLEVELAND ELEVATOR BUILDING COMPANY

INCORPORATED

Capital Stock, \$100,000 MINNEAPOLIS, MINNESOTA

## General Contractors and Builders

OUR SPECIALTY:

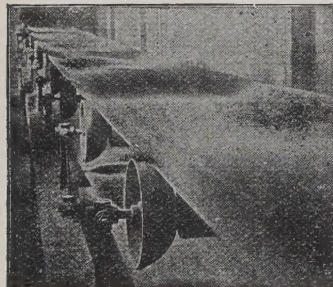
GRAIN ELEVATORS -- Frame, Iron Clad, or Absolutely Fire Proof

Why Not Have the Best the Market Affords?

## P. H. PELKEY, WINFIELD, KANS.

Erects Elevators of this kind. Any capacity. Arranged so that one man conveniently operates them from bottom to top. All kinds of Elevator Machinery. Gas and Gasoline Engines. Plans and specifications furnished upon application. Write for them and compare with others.

## GRAIN ELEVATOR MACHINERY.



GRAIN CONVEYOR.

Grain Trippers, Car Pullers, Spouting, Belt Conveyors, Wagon Dumps, Shafting, Pulleys, Gearing, Friction Clutches, Rope Sheaves, Link Belting, Sprocket Wheels, etc.

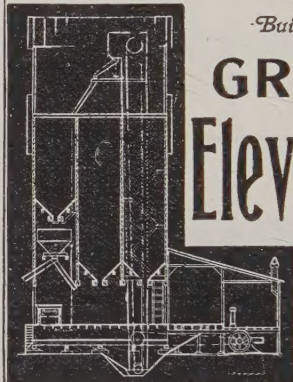
Send for Catalogue No. 25.

## LINK-BELT MACHINERY CO.,

Engineers, Founders, Machinists,  
CHICAGO, U. S. A.

## HONSTAIN, BIRD &amp; CO.

Builders of

GRAIN  
Elevators307 South  
Third Street,  
Minneapolis,  
MINN.

TELEPHONE NO. 2680 L.

## PLANS

of up-to-date elevators furnished upon short notice by

W. H. CALDWELL,  
Elevator Builder,  
CHICAGO, ILL.

1018 Royal Ins. Bldg.

## ELEVATOR PLANS

OF ANY CAPACITY. WRITE FOR PRICES.  
AUSTIN B. HAYES, INDIANAPOLIS, IND.

ECONOMY PITLESS  
WAGON  
SCALES

STEEL JOISTS METAL FRAME

SCALE COMPLETE EXCEPT THE SEVEN  
PLANK FOR FLOORING.

McDONALD BROS. PLEASANT HILL, MO.

## S. H. TROMANHAUSER,

Designer and Builder

## Grain Elevators

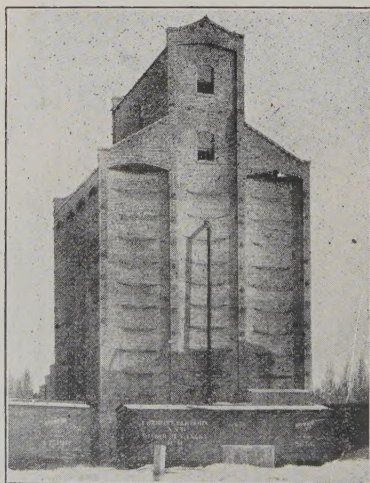
FIREPROOF BRICK CON-  
STRUCTION A SPECIALTY

Country or Terminal Elevators in  
Any Design or Capacity.

WRITE FOR PLANS AND ESTIMATES.

805-6 Phoenix Building,

MINNEAPOLIS, - - MINN.





## GRAIN ELEVATOR BUILDERS.

### E. Lee Heidenreich,

541 ROOKERY, CHICAGO  
DESIGNER AND BUILDER  
OF GRAIN ELEVATORS  
MONIER CEMENT TANKS A SPECIALTY

### Macdonald Engineering Co.,

DESIGNERS AND BUILDERS OF  
GRAIN ELEVATORS

Monadnock Bldg. CHICAGO, ILL.

### John S. Metcalf Co.

ELEVATOR  
BUILDERS

804 THE TEMPLE  
Plans and Specifications a Specialty. CHICAGO

### WE BUILD

Nothing but first-  
class, modern  
country elevators.

G. T. BURRELL & CO.  
Monadnock Block, CHICAGO, ILL.

We have built this season fourteen first-  
class, modern  
country elevators

**IN ILLINOIS**

### IF YOU INTEND TO BUILD A GRAIN ELEVATOR

You will profit by examining my plans of con-  
veniently arranged houses. I study to econom-  
ize space, labor and power. Complete eleva-  
tors of any capacity built under one contract.

M. J. TRAVIS, WICHITA, KAN.

## FIREPROOF STORAGE

Does away with the fire hazard and pays for itself  
by saving insurance premiums.

We build Grain Elevators of every description.

**BARNETT & RECORD CO.**  
MINNEAPOLIS, MINN.

## E. A. BRYAN

DESIGNER AND BUILDER OF

**Steel Grain Elevators and  
Steel Storage Tanks**

of every description

WRITE FOR ESTIMATES

4642 Drexel Blvd., - - CHICAGO, ILL.

### G. T. HONSTAIN,

Successor to Honstain Bros.

Contractor and Builder of

**GRAIN ELEVATORS**

313 THIRD STREET, SOUTH,  
MINNEAPOLIS, - MINN.

### L. O. HICKOK

517 Guaranty Loan Bldg., Minneapolis, Minn.

BUILDER OF UP-TO-DATE

**GRAIN ELEVATORS**

Thirty years' experience. Get my estimates.

### FRED GROTENRATH,

111 W. WATER ST., MILWAUKEE, WIS.

Designer and Builder of Grain Elevators.

Plans, Specifications and Estimates furnished  
on short notice.

Write for prices on Grain Elevator  
Machinery and Supplies.

### Rubber Elevator Belting

The Best, Made by

Boston Woven Hose & Rubber Co.

185-187 Lake St., CHICAGO

## Steel Storage & Elevator Construction Co.

BUILDERS OF

**Fire Proof Steel Grain Elevators**

BUFFALO, NEW YORK

Send for illustrated catalog on fire proof steel grain elevators.

### MODERN POWER TRANSMISSION ENGINEERING

exemplified with typical installations in each issue of

**Power and Transmission**

(American Edition — English Edition)

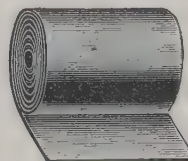
Of special interest to those contemplating mill or factory improvements.  
Sample copy free. Address.

THE DODGE MANUFACTURING CO., MISHAWAKA, IND., U.S.A.  
MANUFACTURING ENGINEERS.

BRANCHES—Borton; New York; Chicago; Cincinnati; Atlanta; London, Eng.

## BELTING

FOR  
CONVEYORS  
AND  
ELEVATORS  
ALSO  
Fire Hose,  
Packing, etc.



We furnished the belting for the Pioneer  
Steel Elevator. Let us figure with you.

GUTTA PERCHA & RUBBER MFG. CO.,

96-98 LAKE ST., CHICAGO.

BROWN & MILLER, Managers.



## GRAIN ELEVATOR SUPPLIES.

Grain  
Elevator  
MachineryENGINES  
BOILERS  
AND  
SUPPLIES

Write for Estimates.

DES MOINES MFG. &  
SUPPLY CO., 101 E. Court Av.  
DES MOINES, IA.

## Link-Belt Supply Co.

MINNEAPOLIS, MINN.

A Full Line of ELEVATOR Machinery  
In STOCK for PROMPT SHIPMENTSteam and Gasoline Engines, Horse Powers,  
Grain Shovels, Buckets, ROPE DRIVES

WRITE US

GRAIN  
ELEVATOR  
MACHINERYCleaning Machinery  
Corn Shellers and Cleaners  
Trippers, Car Pullers  
Belt Conveyors  
Power Grain ShovelsELEVATOR SUPPLIES  
Belting, Buckets, Leads and Boots,  
Conveyors, Scales, Etc.

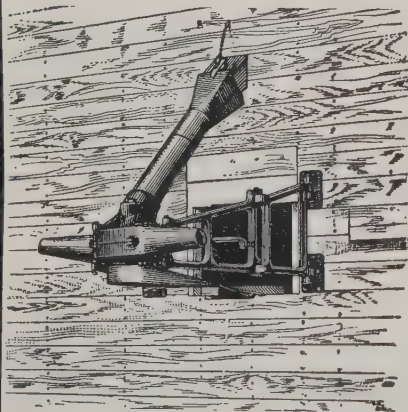
GREAT WESTERN MFG. CO.

General Office and Factory,  
LEAVENWORTH, KANS.

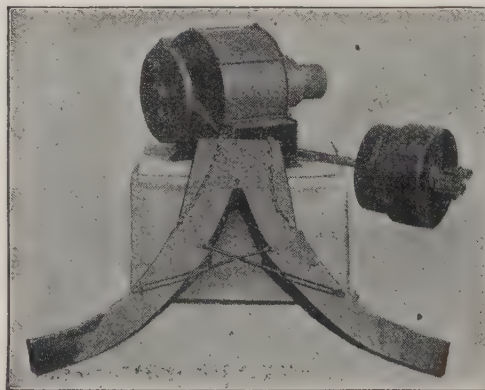
Send for Catalog No. 49

Warehouse and Salesroom,  
KANSAS CITY, MO.ELEVATOR  
MACHINERYGAS AND STEAM ENGINES,  
BOILERS AND SUPPLIES.

WRITE FOR ESTIMATES.

H. L. THORNBURGH & CO.  
245-7 S. JEFFERSON ST.  
CHICAGO, ILL.Improved Ideal  
Car Loader

Manufactured at Allenville, Ill. Loads any size car from end to end and full to the roof with but very little power. Does not crack grain. Does not blow the grain, thus sorting the light and heavy and causing off grades. Pays for itself in a short time. Hundreds in use giving universal satisfaction. Can we interest you by saving you money? Sold subject to 30 days' trial at your elevator. Write for catalog giving full particulars.

The Ideal Car Loader Co.,  
ALLENVILLE, ILL.BOSS  
CAR LOADERSLOAD MORE GRAIN, IN LESS  
TIME AND WITH LESS POWER,  
THAN ANY OTHER LOADER MADE

Loads both ends of car  
at once. Sold on a  
positive Guarantee.

MAROA MFG. CO.  
MAROA, ILL.

## \$5.00 for Your Opinion.

In order to determine what kind of advertisements impress our subscribers, we propose to pay for their opinions on what are the three best advertisements in the May 10th Number of the Grain Dealers Journal.

We will pay \$5 to the yearly subscriber who is first to name to us the best, the next best and the third best advertisements in that number.

We also offer \$20 worth of books of special value to grain dealers, to other subscribers whose opinions as to the best advertisements coincide with the greatest number.

To the second subscriber to name the three best ads in proper order we will give a copy of Clark's Decimal Grain Values, complete.

3d—Clark's Decimal Values for Wheat and Clover.

4th—Clark's Decimal Values for Oats.  
5th—Clark's Decimal Values for Corn,  
Rye and Flax Seeds.

6th—Clark's Decimal Values for Barley  
and Buckwheat.

7th—Robinson Cipher Code, Latest Edition.

8th—Record of Cars Shipped.

9th—Record of Wagon Loads Received.

10th—The Gas and Gasoline Engine; Its Age.

11th—Grain Contract Book.

12th—Grain Shippers Gazetteer.

The advertisements receiving the most votes for 1st, 2d and 3d place on or before May 24, 1902, will be conceded to be the best ads.

The result will be published in May 25th Number.

Send all opinions under separate cover to "THREE BEST ADVERTISEMENTS," care Grain Dealers Journal, 255 LaSalle St., Chicago, Ill.



## GRAIN ELEVATOR SUPPLIES.

### A GRAIN SPOUT

That will load cars without shoveling.

It is worth its weight in gold.

It will save you in labor all it costs in less than a month.

Send for Prices to

**H. SANDMEYER & CO., Peoria, Ill.**



### HAD GOOD RESULTS,

Siebers Bros., Buckley, Ill.: "Discontinue our adv., as we have sold the engine. Have had many inquiries."

## The Gerber Improved Distributing Spout

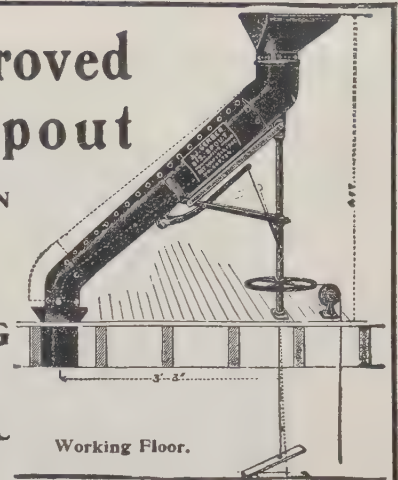
IS THE BEST SPOUT YOU CAN PUT IN YOUR ELEVATOR

Pat. May 15, 1900; Feb. 18, 1902.

Beware of Infringement,

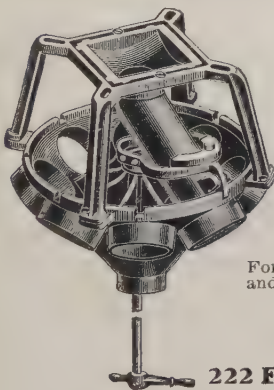
**ELEVATOR SPOUTING**  
A SPECIALTY.

**JAMES J. GERBER**  
MINNEAPOLIS, MINN.



Working Floor.

## Building and Repairing of Elevators



is the SUBJECT of IMPORTANCE with the GRAIN DEALER at this season of the year. The COST and MAINTENANCE of either is materially reduced by the installation and use of the

*Hall Automatic Overflow Signalling Grain Distributor*

For proof write for our new "BOOKLET B" and Circular mailed upon application.

**HALL DISTRIBUTOR CO.,**

222 First National Bank Bldg.

OMAHA, NEB.

## NUTT'S Patent Flexible and Telescoping SPOUT



Closed.



Open.

is the most convenient, the easiest handled, and adapted to more uses than any other spout made.

Cheapest because one will do the distributing of many spouts of other patterns. Can be closed up to occupy one-fifth of the length when extended.

WRITE FOR PRICES.

Manufactured by

**FLEXIBLE SPOUT CO., Urbana, O.**

## ELEVATOR SUPPLIES



OF ALL KINDS.

GASOLINE ENGINES,  
STEAM ENGINES  
AND BOILERS.

Boiler and Machine Shops.

**GLOBE MACHINERY & SUPPLY CO.**

414 to 418  
W. Court Ave.  
DES MOINES, IA.



## K. C. MFG. & SUPPLY CO.

ELEVATOR SUPPLIES OF ALL KINDS.



427-431 W. 5th St.  
KANSAS CITY, MO.



## THE TWO ORIGINAL EAR CORN FEEDERS.

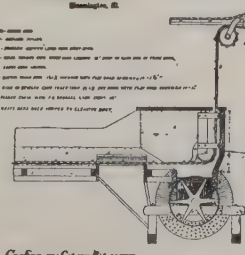
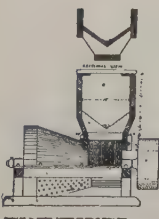
B. S. CONSTANT CO.  
Bloomington, Ill.

## CONSTANT

Reliable, Light Running  
and Always Ready for  
More Corn.

Send us your specifications  
for figures on complete equip-  
ments for grain elevators.

**B. S. CONSTANT CO., BLOOMINGTON, ILLINOIS**





# GRAIN ELEVATOR MACHINERY

OF THE MOST APPROVED KIND

**SKILLIN & RICHARDS MFG. CO.**

Rope Transmission  
Link Belting  
Sprocket Wheels  
Pulleys, Hangers, Etc.  
Salem Elevator Buckets

Steel Plate Friction Clutches  
Rubber, Leather and Cotton  
Belting  
Spiral and Belt Conveyors  
Elevator Bolts and Washers

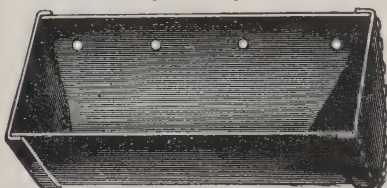
Makers of the **BURRELL ENGINES** For Gas and Gasoline  
Strong and Economical

SEND FOR OUR NO. 2 CATALOG

241-245 S. Jefferson Street  
CHICAGO, ILL.

## ELEVATOR BUCKETS

The Fuller Patent Steel Bucket is stronger, will carry more and make better delivery than any other.



MADE BY

**Cleveland Elevator Bucket Co.,**  
Cleveland, Ohio.

IF YOU WOULD SEE THE BRIGHT SIDE OF LIFE

REPLACE YOUR STAIRWAY WITH THE

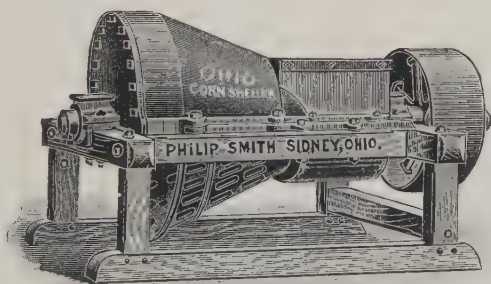
## NEW ERA ELEVATOR

AND THUS ELEVATE YOURSELF  
AS WELL AS YOUR GRAIN.



It meets the approval of the insurance companies, besides your employees will be under everlasting obligations to you for the convenience. Then you can look upon your brother grain dealer (climbing his stairway) as a back number. You will get more light on the subject by applying direct to the Elevator Crank,

**PHILIP MOSER, SIDNEY, OHIO.**



## THE OHIO CORN SHELLER

We manufacture a complete line of Elevator Machinery, including Smith's Overhead Dump and Smith's Improved Chain Drag Feeder.

CATALOG AND ESTIMATES FURNISHED ON APPLICATION.

**PHILIP SMITH, : : : : Sidney, Ohio**

## "The Special Car Mover"

IS PUTTING IT MILD

## "The Special Train Mover"

IT SHOULD BE STYLED



SHIPPED ON TRIAL

Does not work on rail and expend its power at nearly dead center, but has advantage of full length of crank or radius of wheel. Moves a car 6 to 12 inches at each stroke on a level track. **Price \$5.00** F. O. B. Sac City, Iowa. Shipped C. O. D., subject to 10 day's trial and acceptance.

### THE CONVEYOR CAR LOADER

Leads in line. Shipped on trial.

### THE INCLINE ELEVATOR AND DUMP

and Storage System is the best and cheapest ear corn and small grain storage. Grain dealers, feeders and farmers plants solve the problem of cribbing ear corn, etc., without shoveling. Attracts the most profitable part of the business. Write for full particulars.

**H. KURTZ & SON**  
Sac City, Iowa

## UR NU ELEVATOR

Should be built from good

## LUMBER

We can furnish promptly just what you need. Send us your specifications and we will quote you prices that cannot be duplicated. It will not cost you anything to learn how much you will save by buying from us. Worth trying isn't it?

**GEO. GREEN LUMBER CO., 22d and Loomis Sts., Chicago.**



## FIRE INSURANCE

**MILL OWNERS  
MUTUAL FIRE INSURANCE CO.**  
Des Moines, Iowa.  
Insures Mills, Elevators, Warehouses and  
Contents. Oldest Flour Mill Mutual  
in America. Saved to Members  
nearly \$1,000,000.  
J. G. SHARP, Secretary, Des Moines, Iowa.

## Reliable Insurance...

on Modern elevators and Contents can be  
secured at about one-half the rates  
charged by stock companies by addressing

**MILLERS NATIONAL INS. CO.**

205 La Salle Street, CHICAGO, ILL.

CHARTERED, 1865 ASSETS, \$2,721,893  
NET CASH SURPLUS, \$469,382.27  
W. L. Barnum, Secy.

## INDIANA MILLERS MUTUAL FIRE INSURANCE COMPANY

OF INDIANAPOLIS, IND.

JAN. 1, 1902.

Gross Premium Notes.....\$697,501.33  
Surplus to Policy Holders..... 697,351.55  
Dividends Paid Policy Holders..... 238,566.84  
Cash Assets..... 119,924.77

**MILLS AND ELEVATORS ONLY  
PURELY MUTUAL**

A liberal policy issued.  
Losses paid when adjusted and **NO DIS-  
COUNT** demanded. Address,

E. E. PERRY, Secretary.

## Michigan Millers Mutual Fire Insurance Co. of Lansing, Michigan.

**21 Years Successful Business.**

Assets.....\$958,473.81  
Losses Paid..... 718,556.00  
Net Cash Surplus, 214,743.50

**50% DIVIDENDS** 1899  
1900  
1901

Insures Flour Mills, Grain and Elevators.

## FLOATER GRAIN INSURANCE

Special attention to Open Floater Policies  
in the best Stock Companies.  
Insurance follows grain up and down as the  
quantity stored in each house changes. Will **AL-  
WAYS** have insurance where you have grain.  
**Simple, Sure, Economical.** Investigate and you  
will find it absolute protection and cheap.  
Business handled anywhere. Write us.  
**H. H. LANTZ & CO., DES MOINES, Iowa.**  
25 years' experience. Best of references.

THE ENGLISH SUPPLY CO., KANSAS CITY, MO.

## Steam Engines and Boilers

Pulleys, Shafting and Hangers.

Rubber, Leather and Canvas Stitched **BELTING.**



**Wisconsin Graphite Paint**

will not last forever—but it  
will outlast many times over  
any other protective covering  
for iron, steel or wood sur-  
faces. It incorporates itself  
into the pores of the surface  
and becomes a perfect safe-  
guard against fire, rust or  
chemical elements that injure.  
May we send a free sample?

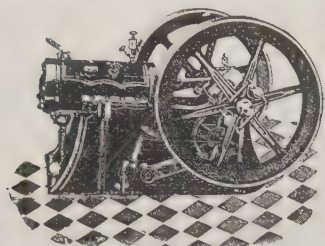
**WISCONSIN GRAPHITE CO.**  
Department G,  
North Side, Pittsburgh, Pa.

The grain trade's accepted medium for "Wanted" and "For Sale" ads. is the  
GRAIN DEALERS JOURNAL of Chicago, because such ads. placed in it bring quick  
returns.



# POWER FOR GRAIN ELEVATORS.

Power for Every Class of Work.



The Waterloo Gasoline Engine Co., Waterloo, Ia.

Branch Houses: David Bradley & Co.,  
Council Bluffs, Iowa; Bradley, Clark &  
Co., Minneapolis, Minn.

**PEERLESS**  
GASOLINE ENGINES  
2 to 60 H. P. Single and Double.  
NORTHERN ENGINEERING WORKS.  
31 Chene St., DETROIT, MICH.

**Lambert Engine**  
Gas or Gasoline.  
Compared to its rival, the steam engine, is as harmless as a clock. Economical and doesn't eat up fuel when not working. Fuel consumption diminishes as load is taken off engine. No leakage; no breakdown; heat exhausted without flame or spark. Write for catalogue.  
R. Lambert Gas and Gasoline Engine Co., Anderson, Ind.

## BUSHEL VALUES

Shows at a glance the cost of any number of bushels and fractional pounds from 1 to 1,500 bushels, of any kind of grain from 15.16 cents, up to \$1.04 per bushel.

Busheis are shown in red figures, and values in black. The price per bushel being given at top of value columns.

It is conveniently arranged and easily understood. Printed on good paper and bound in heavy paper cover. Price 50 Cents. Address

**GRAIN DEALERS COMPANY**

255 LaSalle St., CHICAGO, ILL.

## IF YOU WANT

To buy, sell, rent or lease an elevator, or buy or sell machinery, try a liner ad. in the GRAIN DEALERS JOURNAL; its inexpensive and effective.

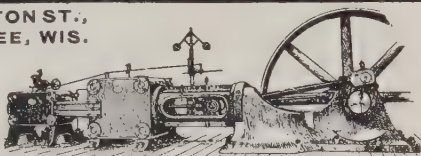
**THE VILTER MFG. CO.** 836 CLINTON ST.,  
MILWAUKEE, WIS.

IMPROVED  
**Corliss Engines**

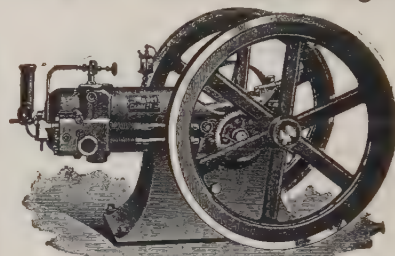
BOILER, HEATERS and PUMPS.  
"EASY" CAR PUSHER, \$5.00

Perfect device.

Order one on trial.



## The Model Gas & Gasoline Engine



It always pays to buy the best, the simplest, and the one that costs the least to operate and keep in repair. Write us for guarantee and compare with others.  
**MODEL GAS ENGINE CO.**, Address Box 950, Auburn, Ind.

*Can you afford to do this?*



*Well then, you can't afford to be without a "Qus" Gasoline Engine. The Carl Anderson Company of Chicago, make 'em.*

## HOWE SCALES AND HOWE ENGINES

Can you get anything better?

Can you get anything as good?

INVESTIGATION WILL DETERMINE.

Grain Testers, Grain Scoops, Bag Holders, Car Starters, Conveying and Elevating Machinery.

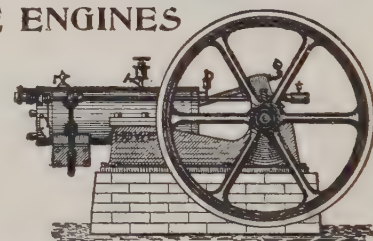
**CATALOGS.**

The Ball-Bearing Scale.



St. Louis, Kansas City,  
Minneapolis, Cleveland.

**Borden & Selleck Co., Chicago, Ill.**



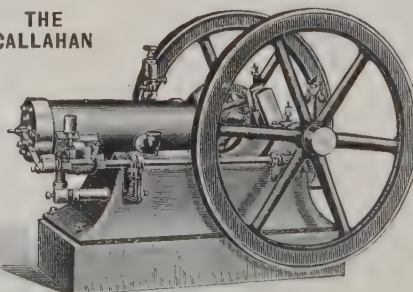
1 to 60 H. P.

Wagon, Dump, Hopper  
and Grain Scales.

Double or Compound Beams

Steel Frames.

THE  
CALLAHAN



By far the best Gas Engine ever  
manufactured by man is ac-  
knowledged by all to be the

**NEW CALLAHAN**

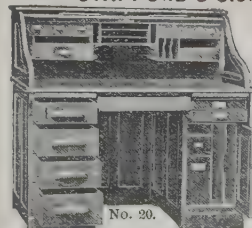
For catalogue, prices, etc.,  
address,

**C. D. HOLBROOK & CO.,**

305 3d Street South,

Minneapolis, Minn.

**STAFFORD'S \$19.30 DESK**



No. 20.

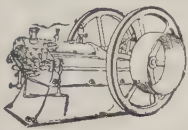
Fine quarter oak front, is finished golden, polished top and bed, two legal blank drawers, letter file, six all wood file boxes, hang over front, center drawer, document file, card index drawer and other features as illustrated. It is 48 in. long, 30 in. wide, 47 in. high. Sent anywhere on approval and only \$18.75 if remittance is sent

with order, not otherwise. We have others at factory prices. Ask for catalogue No. 173, or Hon. & Furniture Catalogue No. 174.  
**E. H. STAFFORD & BRO.,**  
18-20 Van Buren St., Chicago, Ill.



# POWER FOR GRAIN ELEVATORS.

## THE BAUER GASOLINE ENGINE



Is better adapted to the needs of the grain elevator man than any other.

WRITE FOR DESCRIPTION.

Bauer Machine Works,  
Kansas City, Mo.

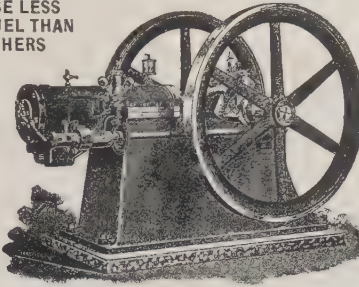
## Burger Automatic Gasoline Engines are Perfect

in mechanical construction, so when buying one for your elevator don't stop short of the best. Write us today.

WOOLLEY FOUNDRY AND MACHINE CO.  
ANDERSON, IND.

## Columbia GAS and GASOLINE ENGINES

USE LESS  
FUEL THAN  
OTHERS



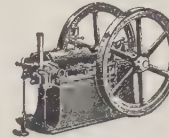
E. L. GATES MFG. CO.  
34-36 So. Canal St. CHICAGO, ILL.

## BRUNNER ELEVATOR ENGINE FOR GRAIN ELEVATORS.

From 1 to 30 H. P.

Write for descriptive circular.

CHARLES BRUNNER, Mfr.,  
Peru, Ill.

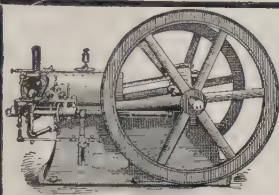


## LENNOX GAS ENGINE



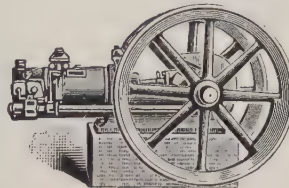
LENNOX MACH. CO.  
MARSHALLTOWN, IA.  
WRITE FOR CATALOGUE

of Elevator Engines.



## Gasoline Engines

Especially adapted for elevator use.  
Fremont Foundry & Machine Co.,  
Fremont, Neb.



What GUARANTEE have you that the Gas or Gasoline engine you are thinking of buying will develop the Actual Horse Power at which it is rated? Does the maker know, or is he only guessing?

Every OTTO engine is thoroughly tested and the POWER accurately determined by brake and indicator. The test is recorded and the purchaser can always have a certified copy of it—an assurance worth considering.

## THE OTTO GAS ENGINE WORKS,

Chicago Representative, T. W. SNOW, 360 Dearborn St.

PHILADELPHIA, PA.

## Coal Dealers Friend

Is a book of tables which shows at a glance the cost of any number of pounds of coal from 5 to 1995 pounds, at any price per ton from \$1.00 to \$14.00. It is especially adapted for retailers. It is printed on good book paper and bound in cloth, size 4 1/4 x 8 1/2 inches. 110 pages.

PRICE, \$1.00

GRAIN DEALERS COMPANY  
255 LA SALLE ST., CHICAGO, ILL.

## THE CHEAPEST POWER PLANT ON EARTH

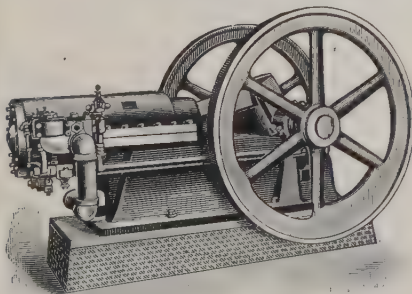
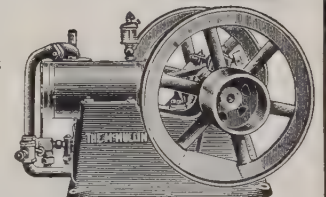
Is the Gasoline Engine. Learn something to your advantage about

## McMullin Engines

by writing us. Catalog and prices on application.

McMullin Motive-Power and Construction Co.

404 Royal Insurance Bldg., CHICAGO.



## "NEW ERA" GAS AND GASOLINE ENGINES

Easy to start; easy to operate; heavy and substantial; high grade; thoroughly guaranteed; electric or tube igniter.

SIZES, 5 TO 60 H. P.

If interested write for particulars to

THE NEW ERA IRON WORKS COMPANY

No. 86 Dale Ave., DAYTON, OHIO

## The Gas and Gasoline Engine and Its Age

By NORMAN & HUBBARD

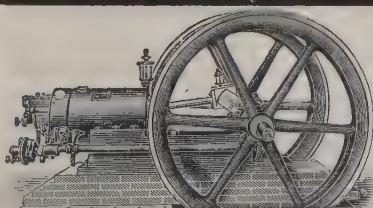
Is a practical hand-book of questions and answers on any difficulty that may arise in the care, management and operation of a Gas or Gasoline Engine. It is a reference book for users and those contemplating the purchase of a gas or gasoline engine.

It gives a historical review of the growth of the gas and gasoline engine and the features that are essential to the good working of a gas or gasoline engine. It gives a long list of questions and answers which are invaluable to users, precautions in running a gas engine, etc. It also gives a description of nearly all the prominent makes of American engines, besides a very complete set of rules and tables, which are invaluable to operators of engines. This book is of convenient size, well bound in cloth covers, printed on book paper, and profusely illustrated. Price \$1.00.

FOR SALE BY

GRAIN DEALERS COMPANY

255 LaSalle St., CHICAGO, ILL.



## WITTE GASOLINE ENGINE.

Use any grade of Gas or Gasoline. Don't buy the trust's best fuel, its poorest is good enough for this engine, any old Gasoline or Naphtha make it work. 1c. per gal. saved is considerable.

WITTE IRON WORKS CO.

Cat. I. 513 West 5th St., Kansas City, Mo.



Listen! ye people from East to West  
 Of a canvas stitched belting which stands the test.  
 Listen! ye people from North to South  
 Of a belting whose fame is in every one's mouth.  
 These belts do not zigzag, but run very true  
 Which is very much better than other belts do.  
 They stand very hard usage, and the weather as well,  
 And when used in conveying their merits excel.  
 They have rows of good stitching to hold them together,  
 Their tensile strength's greater than rubber or leather.  
 They cost less than half of all others you'll find  
 And material and workmanship's best of its kind.  
 Their praises! Oh! shout them!! None ever will doubt them  
 Who uses canvas stitched belting, manufactured by Carton.  
 Carton Belting Company, Allston District, Boston, Mass.



**Help!**  
**HELP!**  
**HELP!**

If you want help that has had experience in the grain business, want to find some one who wants such help, or if you want a partner to help you, make your want known to the trade through the "Wanted" columns of the Grain Dealers Journal, Chicago. It is the grain trade's accepted medium for "Wanted" and "For Sale" ads.

## Weevil Killed

All insects infesting grain or grain elevators can be killed by using

### "FUMA" BISULFIDE OF CARBON

which is prepared especially for ridding grain elevators and mills of these pests.  
 If you don't want your grain graded "Rejected" on account of weevil, write for relief to

EDWARD R. TAYLOR,  
 Manufacturing Chemist, - Penn Yan, N. Y.

## PAINT

For roofs or sides of  
 Mills and Elevators.  
 Black, Red or Brown  
 colors. If your roof  
 leaks, write us. We  
 can save you money.

**MAIRE PAINT MFG. CO.**  
 MINNEAPOLIS, MINN.

## DAMP WHEAT

is dried and made merchant-  
 able in the

## Hess Pneumatic Grain Drier

cheaper and faster than in any  
 other device.

It dries other grains  
 just as well.

**Hess Warming & Ventilating Co.**  
 707 Tacoma Building  
 CHICAGO

## SOLD ENGINE THRU AD.

John H. Doyle, Longview, Ill.:  
 "Please discontinue my advertisement  
 in the Grain Dealers Journal, as I  
 have sold my engine thru the ad., and  
 could have sold one-half dozen en-  
 gines if I had them."



# The Only Mill of Its Kind

Designed Especially for use in connection with an elevator is

## The Columbus Combination Flour Mill



We have a number of them in operation and they are daily proving every claim made by us. Almost any kind

of a building will answer.

Space required,  $9\frac{1}{2} \times 9 \times 15$  ft.

Power required, not over 12

horse power. One man can easily operate an entire plant. . . . .

Produces a straight grade of flour equal to any system using

same number of breaks and reductions. The cost is far below that of the regular two-break custom mills. By a change in cloths it makes a Buckwheat Outfit superior to all others.

Our Catalog tells more.

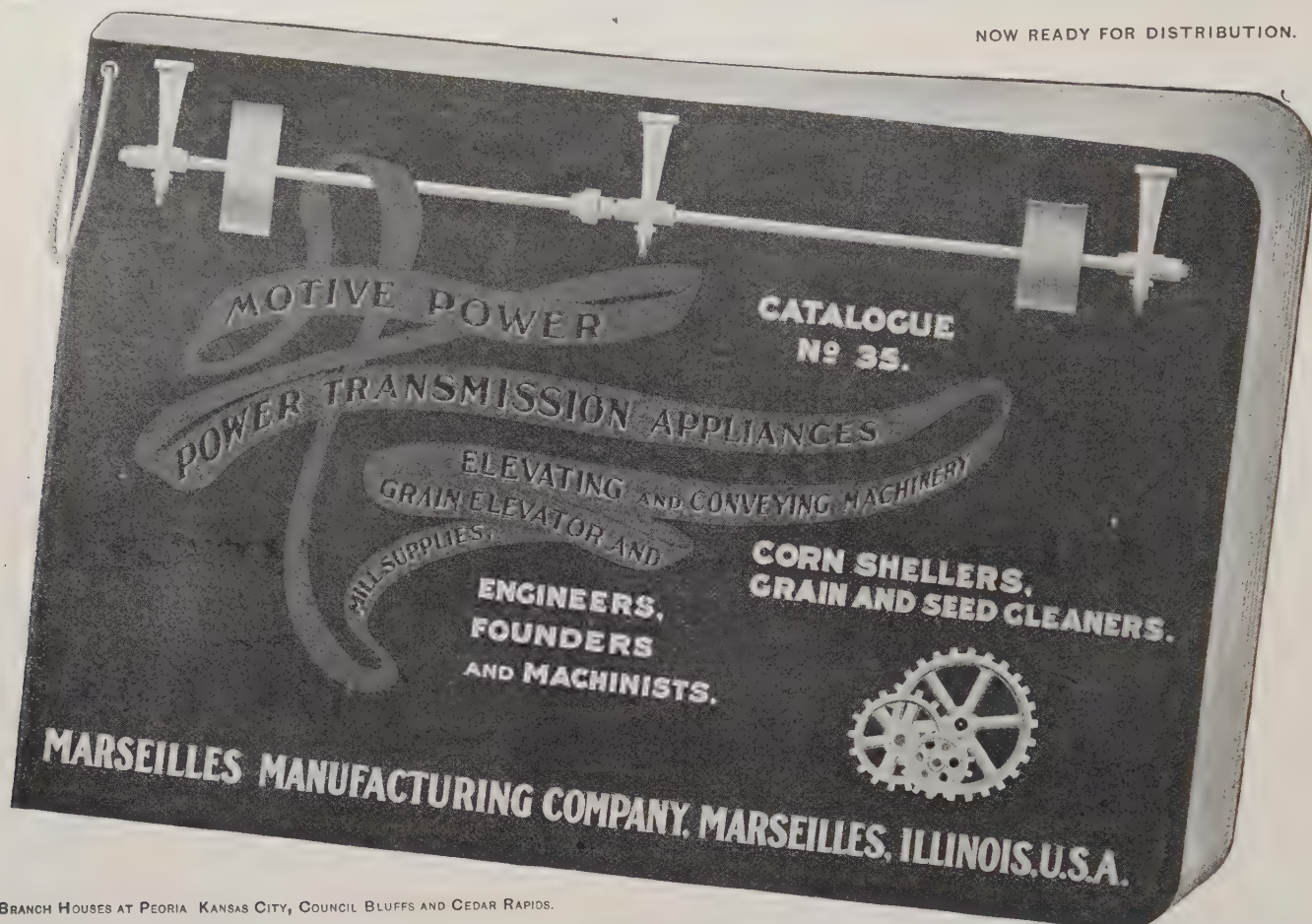
## The Case Manufacturing Company

ELEVATOR SUPPLIES

COLUMBUS, OHIO

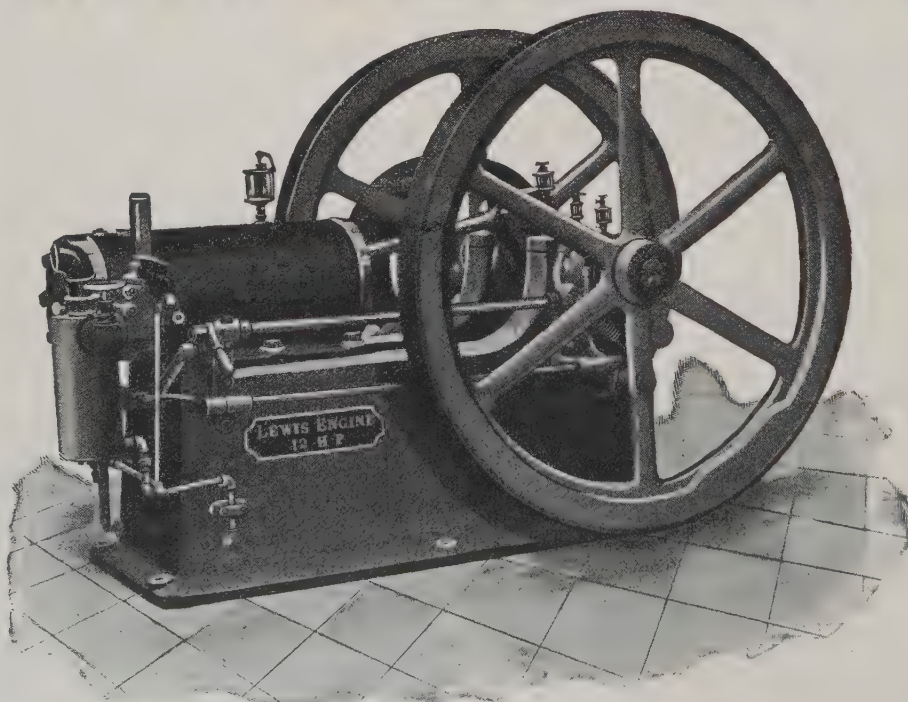


NOW READY FOR DISTRIBUTION.



BRANCH HOUSES AT PEORIA KANSAS CITY, COUNCIL BLUFFS AND CEDAR RAPIDS.

# GRAIN DEALERS ATTENTION



## THIS Is the Engine

that takes the prize in  
competition with

## THE WORLD

on Gasoline Engines.  
Our judges are the

## Wide Awake Public

who know a good thing  
when they see it 3 3

THE PEOPLE who  
use gasoline have long  
ago become convinced  
there is no Engine  
equal to

## THE LEWIS

for  
SMOOTH RUNNING,  
DURABILITY and  
GENERAL  
RELIABILITY

**J. THOMPSON & SONS MFG. CO., Beloit, Wis.**



## THE SUPPLY TRADE

L. E. Barbeau, of the S. Howes Co., Silver Creek, N. Y., is in England.

When a man ceases to work he deteriorates mentally; when a business man stops advertising his sales decrease visibly.

The longer one continues in business, the more business he ought to do. Likewise, the longer a person advertises the better results his advertising ought to bring.—Printers' Ink.

The Hall Distributor Co. of Omaha, Neb., reports the prospects for the sale of its improved distributors to be better than ever before, and is prepared to fill all orders promptly.

Work on the third of the Allis-Chalmers Co.'s large machine shops at Milwaukee, has begun. The regular quarterly dividend of  $1\frac{3}{4}$  per cent., payable May 1, has been declared on the preferred stock.

The Huntley Mfg. Co., of Silver Creek, N. Y., will enlarge its foundry and add a story to the machine shop, to increase the output of grain cleaning machinery.

The Minneapolis Steel & Machinery Co. has been incorporated at Minneapolis, Minn., with \$500,000 capital stock, by James L. Record, C. P. Briggs, Jos. Carbett, R. P. Gillette and Albert C. Cobb.

The Jeffrey Mfg. Co., of Columbus, O., has issued a very handsomely printed 32-page catalog of its rubber belt conveyors, bucket elevators and belting. Copy can be had for the asking.

Oliver E. Field of Chicago, who for the last seventeen months has been managing the mill of Aguilar & Morales at Ures Sonora, Mexico, has returned and will resume his connection with the Allis-Chalmers Co. of Milwaukee.

The Winona Fire Insurance Co. has been incorporated at Winona, Minn., by a number of grain dealers residing at that place and operating lines of elevators in the country. The capital stock is \$100,000, and the cash surplus \$30,000. E. D. Dyar is president, R. E. Tarse vice president, J. R. Marfield treasurer, H. G. Smith secretary and W. A. Baumann assistant secretary. The board of directors is composed of the three first-named and W. B. Parsons, A. W. Bingham of New Ulm, and F. C. Van Duzen of Minneapolis, Minn.

The Carton Belting Co., of Boston, Mass., is sending out a brochure describing the Carton stitched belt, which is made of extra heavy duck woven with selvage on both edges. Prices are quoted on 4 to 10-ply in widths from  $1\frac{1}{2}$  to 36 inches, and on leather, rubber and solid woven cotton. Instructions for splicing and rules for finding length, speed and power of belts are given. Customers will find the telegraphic cipher code a great aid in its completeness. The book is durably bound in black seal leather, for frequent use by grain elevator men.

The Marseilles Manufacturing Co., of Marseilles, Ill., has just issued an elegant new 164-page catalogue covering motive-power, power-transmission appliances, grain elevator and mill machinery and supplies. A reduced picture of this book will be seen in its advertisement in the Journal. In point of completeness in all details that the trade can want in such a book and artistic design from cover to cover, it is one of the finest publications of the kind ever issued. Those who have not received it will do well to send for it before placing orders for anything in

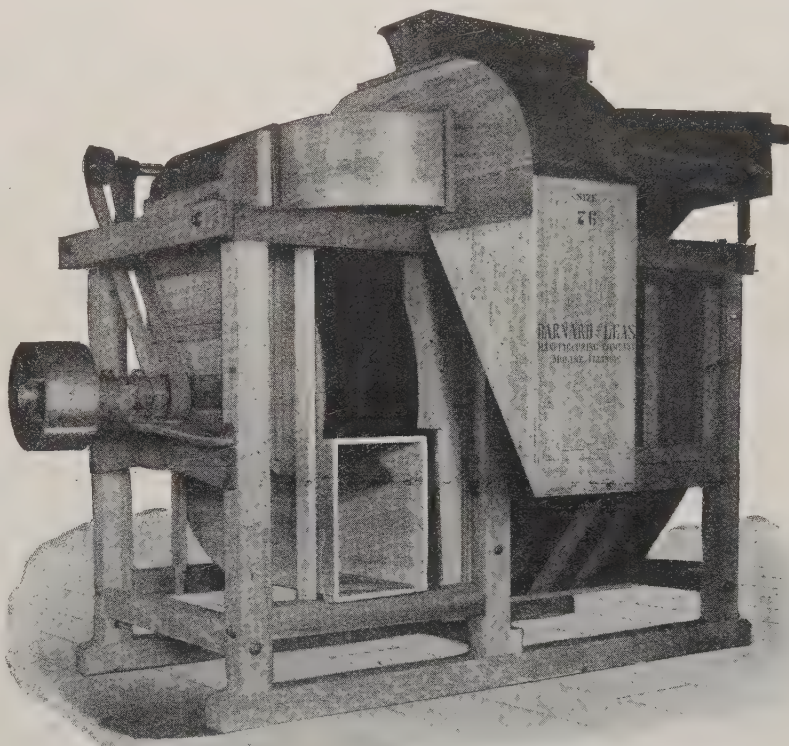
the line of machinery or supplies for their grain elevators.

The H. W. Caldwell & Son Company of Chicago has recently purchased the entire equipment of gear patterns, molding machinery, gear cutters and all other appliances pertaining to the power transmission business of the Walker Mfg. Co. of Cleveland, O. The Walker Gears have for many years sustained a reputation for excellence and correctness of design. The Walker system of designing gear teeth is generally recognized as founded upon correct principles. The general satisfaction that these gears have given to users, as evidenced by many testimonials, and the fact that they are preferred by many mechanical engineers has established for these gears an enviable reputation. The Walker pattern list is probably the most complete in existence and from its wide

## Barnard's Adjustable Oat Clipper.

The Oat Clipper and Warehouse Scourer shown in the accompanying cut has now been in use over a year and has proven to be a superior machine. One of the features that make it superior is found in the manner of adjusting the beaters to scour hard or light while the machine is in motion and the grain passing through. This is a great advantage since the operator can set the machine to scour to any degree desired without liability of mistake, and without taking the machine apart.

The discharge of the grain from the machine is another new and valuable feature. Before leaving the machine the grain is discharged from the scouring case into a separate cast iron chamber, where



BARNARD'S ADJUSTABLE OAT CLIPPER.

variety it is possible to find almost anything to meet the requirements of any situation where gears are to be used. The Caldwell company is prepared to furnish gears from the Walker patterns promptly and will maintain the high standard of excellence established for these gears by the Walker company.

Siberian agriculture is decried by Richard T. Greener, commercial agent of the United States at Vladivostok, who says: Highly colored reports have reached us from America as to what Siberia was capable of doing in an agricultural way. It is suggested that American flour mills on the Pacific coast will soon be closed in consequence of the millions of acres here ready to be devoted to cereals. An uncertain climate, imperfect machinery and unreliable labor are not factors for successful competition with the United States. Notwithstanding the cheap transportation offered emigrants and the development of virgin soils, famine seems a periodical visitor, and it is here to-day. The central governments are literally besieged with clamors for bread, for medicine, for work, grain, hay—anything.

it is spread the full width of the machine. This of course makes the separations more thorough without using so strong a suction and consequently with less shrinkage and loss.

The machine is stronger in all its parts than is usual in machines of like capacity, which insures great durability.

In short, the makers, while not adopting any new or untried method of scouring grain, have spared no expense in making this machine strong, handy and economical. For further particulars address Barnard & Leas Mfg. Co., Moline, Ill.

St. Louis daily increases her short interest. It now equals more than 10 bu. for each inhabitant of that bearish burg. N. Y., jealous of the river town, is trying to keep short a relatively larger line. They pay 28 to 30c per pound for steaks, 2c per pound for oat meal, \$106 per share for railway stock that sold in 1896 at \$2.50, and expect to make money selling millions of wheat short at  $1\frac{1}{4}$ c a pound. They claim no one dare oppose them. The system that invites and tolerates such methods is a vicious and rotten one.—Pope & Eckhardt Co., Chicago.



# GRAIN DEALERS' EXCHANGE.

The rate for Advertisements in this department is 15 cents per line each insertion.

## ELEVATORS WANTED.

ELEVATOR wanted at good grain point. Give particulars. P. H. Daub, Helena, Ohio.

TO EXCHANGE for elevator in Ill. or Ia., one-half sec. Kan. wheat land. No. 64, Bondville, Ill.

WANTED—Good elevator doing good business. Will buy or rent. Address Wm. Thomas & Son, Graettinger, Ia.

WANTED—I to 4 elevators, central Ia., Ill. or western Ind. handling not less 500,000 bu. a year. Robert Bell, Fowler, Ind.

WANTED: elevator in good grain country; would buy or rent. H. Meschen-dorf, 306 College street, Louisville, Ky.

WANTED TO BUY, 1 to 4 elevators in good grain country, Ill. or Iowa; give particulars in first letter. Dan Davis, Stuart, Iowa.

WANTED: one or two elevators in North or South Dakota, or some good sites on which to build. B. D. Lane, Hunter, N. D.

If you want to dispose of your mill or elevator list it with us. There is quite a demand for grain properties and we have a large list of buyers. Write us. National Mill & Elev. Exchange, Matthews, Ind.

## ELEVATORS WANTED.

TWO or three grain elevators wanted in northern Iowa, or southern Minnesota. Address S. D., box 2, care Grain Dealers Journal, Chicago.

ELEVATOR wanted; Ill. or Ind.; cash for good property. Write description. Address W. O., Box 9, care Grain Dealers Journal, Chicago.

WANTED—An elevator in Indiana or Illinois that will handle at least 100,000 bushels per annum. Would prefer central or western portion. J. W. Chambers, Des Moines, Ia.

ELEVATOR wanted in Ill., Ia. or Minn., in a Scandinavian community; Swedish preferred; to buy or rent; handling 250,000 bu. corn and oats a year. Address O. O. Helgen, Ruthven, Ia.

TO EXCHANGE, for elevator in Ia. or Minn., ¼ sec. unincumbered land in good county of Kan.; price, \$2,200. Would put in \$1,000 cash for right plant if necessary. Address Lock Box A, Minburn, Ia.

ELEVATORS WANTED. If you wish to sell or lease your elevator, list same with us. It costs nothing unless sale is made, and then only \$1 for each sale resulting. Elevator Agency, 72 Traders bldg., Chicago, Ill.

## FOR SALE ELEVATORS AND MILLS WANTED

We have long seen the need of an exchange for mill and elevator properties. Heretofore most sales have been effected thru real estate agents, but their methods and unfamiliarity with the grain trade have not always been satisfactory. We have been in the grain business 30 years; have a large personal acquaintance and know the wants of all prospective buyers and sellers and can supply them with what they want. If you wish to buy, sell or lease elevator or mill property, write us. Our terms are reasonable. No charge unless trade is effected. Address

National Mill and Elevator Exchange,  
MATTHEWS, INDIANA

## LUMBER AT HALF PRICES.

WE PURCHASED THE PAN-AMERICAN EXPOSITION  
SEND US YOUR LUMBER BILL FOR OUR ESTIMATE.  
Pipe, Machinery and Building  
Supplies in General.  
FREE CATALOGUES ON APPLICATION.  
CHICAGO HOUSE WRECKING CO.,  
PAN-AMERICAN, DEPARTMENT 78 BUFFALO, NEW YORK.

# The CLIPPER

Stands without an equal for the economical and successful cleaning of all kinds of Grain, Flax, Timothy, Clover and all fine seeds, also for Beans, Peas and Corn.

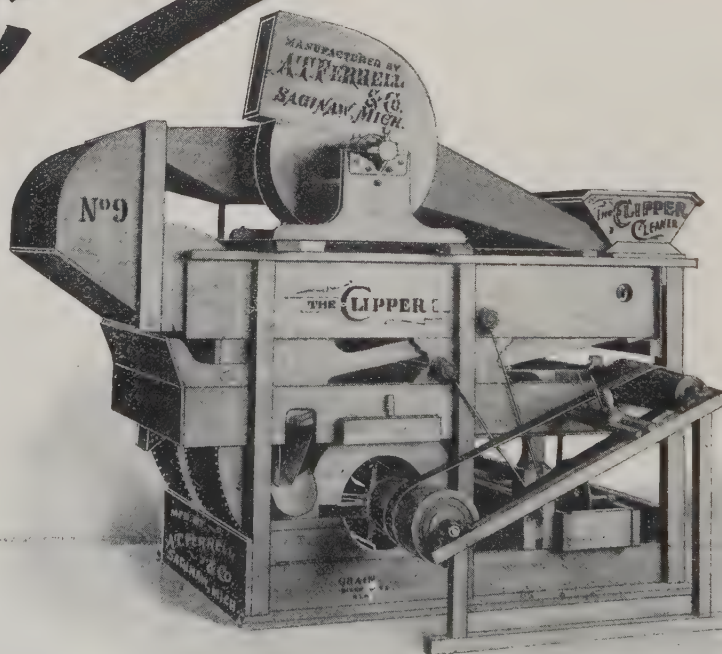
Our machines require a small amount of power, and the quality of their separations have not yet been equaled by any Cleaner.

### A TESTIMONIAL.

Chicago, May 3, 1902.  
A. T. FERRELL & COMPANY,  
Saginaw, Mich.

Gentlemen:—We have your favor of the 2d inst. regarding the four Special No. 9 Traveling Brush Cleaners, which we purchased from you last year. Will say that these machines are giving very good satisfaction and we are very much pleased with them.

Yours truly,  
(Signed) ARMOUR GRAIN COMPANY.



No. 9 Special Cleaner with Traveling Brushes, Special Air Controller and Dustless Attachment.

Our Sample Plate of perforations mailed upon request. Write for catalog.

A. T. Ferrell & Co.,  
SAGINAW, MICH.



# GRAIN DEALERS' EXCHANGE.

The rate for Advertisements in this department is 15 cents per line each insertion.

## ELEVATORS FOR SALE.

ELEVATOR and coal business for sale. Only one in the town. Lehan Grain Co., Dunlap, Ia.

TWO good elevators in central Illinois grain belt for sale. Address Postmaster, Lodge, Ill.

WANTED—You to list your elevators with me. Have cash buyers. Aaron Smick, Decatur, Ill.

GRAIN warehouse for sale; facilities for feed grinding; good location. Box 516, Whitewater, Wis.

THE OLLIE ELEVATOR for sale, the only one in the place. Good reasons for selling. Address M. A. B., Ollie, Ia.

ILLINOIS elevator at great sacrifice, or exchange for real estate. Must be sold. W. L. Cadle, 440 Canal st., Chicago.

NEW 30,000 elevator in Indiana black land district. Good location. B. B., Box 9, care Grain Dealers Journal, Chicago.

A GOOD elevator and coal and machinery business for sale at Artesian, S. D. Address A. R. T., box 8, care Grain Dealers Journal, Chicago.

THREE elevators on the Santa Fe Road in the best wheat territory in Kansas, for sale. For particulars address Box 762, Wichita, Kan.

ELEVATOR of 80,000 bushels, with other business in connection. Pays large profits. Price, \$15,000; terms liberal. Address Box 543, Sioux City, Ia.

TWO first-class modern grain elevators located in central Illinois for sale. Owners going into other business. Address Coon Bros., Rantoul, Ill.

ELEVATOR in good grain town in west O., 25,000-bu. cap.; gas engine, shell-er, all modern machinery. S., box 8, care Grain Dealers Journal, Chicago.

FOR SALE—A nice line of elevators in central Illinois. These will be sold at a bargain if taken soon. Write at office. Aaron Smick, Decatur, Ill.

HAY\*OR GRAIN location is offered at Remington and Wolcott, Ind., where I have for sale three hay barns at a bargain. Write Good Chance, 72 Traders bldg., Chicago, Ill.

ELEVATOR and coal business for sale on the C., R. I. & P. Ry., handling from 80,000 to 100,000 bushels a year; gasoline engine; 10,000 crib room. Address O. O. Helgen, Ruthven, Ia.

FOR SALE: 50,000-bu. elevator, feed mill attached; splendid grain country; good location; good business; owner getting old wishes to retire. Address R. Townsend, Nashville, Mich.

FOR SALE: 20,000-bushel elevator 14 bins, complete cleaning machinery; 22 gas engine, all nearly new, in banner Oklahoma wheat section. Address News, Tonkawa, Kay Co., O. T.

SMALL country elevator for sale; coal bins, general store and stock business. In the banner wheat county of Kansas. Address O. K., box 5, care Grain Dealers Journal, Chicago.

## ELEVATORS FOR SALE.

ONE elevator that is a moneymaker sure. W. A. Thompson, Attica, Ind.

GASOLINE ELEVATOR, Mitchell, S. D., cheap; a bargain for some one. Excellent town to live in, excellent schools, etc. Surrounding country settling up very fast. Address Jacob Siberz, Ethan, S. D.

FOR SALE, in Iowa, elevator and feed mill; gasoline engine; capacity 8,000 bu.; nearly new. The only elevator in town of 300. Price, \$3,000. Address C. W. J., box 9, care Grain Dealers Journal, Chicago.

A GOOD modern elevator, nearly new, on B. C. R. & N., 20,000 bu. capacity; Fairbanks-Morse Gasoline Engine; hopper scale and cleaning apparatus. A bargain at \$4,200. Address Box 418, Thompson, Ia.

ELEVATOR and 360 frontage on side track at Mt. Carroll, Ill., for sale to close estate. Capacity 40,000 bu.; gasoline engine and dump. Good opening for right man. For particulars inquire of N. H. Halderman, Mt. Carroll, Ill.

ELEVATOR and very profitable feed mill in heart Ill. corn belt, on L. E. & W. Ry., cap. 20,000; Charter Engine, 12 h.p.; Ideal Loader. Station handles 350 cars; one competitor. Other business requiring attention, reason. H. R., box 8, care Grain Dealers Journal, Chicago.

ELEVATOR AND CORN MILL, a combined plant, in So. Kan. Price, \$6,500; will sell all or half interest for all or part cash, balance easy terms. Two railroads. Crop, wheat, oats and corn; conditions now 100 per cent. Address for particulars Maize, box 8, care Grain Dealers Journal, Chicago.

ON ACCOUNT of poor health, I offer my 22,000-cap. elevator for sale at a bargain. Never handle less than 100,000 annually. Located in Lac qui Parle Co., Minn., crop failure unknown. Address Ship, box 6, care Grain Dealers Journal, Chicago.

FORTY thousand-bu. elevator in the corn belt, for sale. In good repair; new 12-h. p. Fairbanks Gas Engine; 5 town lots; office; scales; corn crib; coal house, and residence in good business town with good school and church. C. H. Whitaker & Son, Ellsworth, McLean Co., Ill.

ELEVATOR and coal business for sale in good grain district in Northwestern Iowa. Buildings are two years old, and elevator fitted up with first-class machinery. Gasoline engine for power; handled last year 70,000 bushels grain. Corn cribs in connection. Address H., box 8, care Grain Dealers' Journal, Chicago.

KANSAS elevator for sale, at station where two dealers shipped 360 cars last year. On Union Pacific, with 12,000 bushels storage, and 50,000 bushels crib room. Steam power. Good coal business. The price of \$3,500 is a very low one considering the location. Address Good Point, 72 Traders bldg., Chicago, Ill.

**WE SAVE YOU 50%**  
Have all makes of typewriters, many as good as new. Lowest prices and strongest guarantees. We rent, buy, sell or exchange machines. Sent on approval, one month's rent to apply on purchase. Write for Catalog to E. H. STAFFORD & BRO., 18-20 East Van Buren Street, Chicago.



## ELEVATORS FOR SALE.

A SMALL combination line of lumber, grain elevator and implement business. Address Box 543, Sioux City, Ia.

WE have for sale some of the best elevators and flour mills in the central states. If you are looking for a good location let us hear from you. National Mill & Elev. Exchange, Matthews, Ind.

ELEVATORS at a few good points for sale; at Virden, Cantrall, Athens, Bates, Loami, Curran, New Berlin, Island Grove, Dawson, all in Illinois. Also at Arapahoe, Neb. Ask for particulars. E. R. Ulrich & Sons, Springfield, Ill.

TO RENT, or sell on reasonable terms, a complete elevator, 15,000-bu. capacity, at Pond Creek, Grant Co., Okla., which is a good grain station. Reasons for selling. I am too old to buy grain. Write C. B. Franke, care Boston Store, Pond Creek, Okla.

THIRTY ELEVATORS, an established elevator line, including a large shelling and cleaning house, located on the Chicago Great Western Railway Line between Minneapolis and Oelwein, Iowa. For particulars address undersigned, 100 Corn Exchange, Minneapolis, Minn. Fred C. Van Dusen, P. B. Smith, assignees.

ELEVATOR of 14,000 bu. capacity with a store building in connection for handling seeds and feed, located in a thriving western town and doing a splendid business, for sale; \$8,000. A fine opportunity for some one. To any one interested full particulars will be given. Address A. S. E., box 6, care Grain Dealers Journal, Chicago.

FOR SALE—Glencoe, Okla., on A. T. & S. F. Ry.—8,000 bu. capacity elevator equipped with all modern improvements; 12-h. p. Fairbanks Gasoline Engine; cleaner and hopper scales. Town 400 inhabitants; good wheat country, 57 per cent. crop; no competition; one-half block ground, and 7 acre hog lots. Price, \$4,250; without hog lots, \$4,000. Reasons for selling; going in cotton ginning business. Address Ed. J. Coyle, Perry, O. T.

## ELEVATORS FOR RENT.

WELL ESTABLISHED grain and storage business in large city for sale to party who can rent warehouse and elevator for term of years. Place well equipped with feed, grist mill, cleaner and dryer. Storage capacity about 75,000 bushels. Apply to F. B. Weeks, box 551, Houston, Tex.

## STEEL ROOFING



Strictly new, perfect, Semi-Hardened Steel Sheets, 2 feet wide, 6 feet long. The best Roofing, Siding or Ceiling you can use. No experience necessary to lay it. An ordinary hammer or hatchet the only tools you need. We furnish free with each order sufficient paint and nails. Comes either flat, corrugated or crimped. Delivered free of all charges at the following prices

TO ALL POINTS IN

INDIANA, ILLINOIS,  
WISCONSIN, MICHIGAN,  
OHIO, IOWA, WEST  
VIRGINIA,  
Per Square, \$2.35.

PENNSYLVANIA, NEW  
YORK, NEW JERSEY,  
MARYLAND, KENTUCKY,  
MISSOURI, MINNESOTA,  
Per Square, \$2.50.

Prices on other States on application.

A square means 100 square feet. Write for free catalogue No. 36  
CHICAGO HOUSE WRECKING CO., W. 35th and Iron Sts., Chicago



# GRAIN DEALERS' EXCHANGE.

The rate for Advertisements in this department is 15 cents per line each insertion.

## ENGINES FOR SALE.

SPRINGFIELD 10-h. p. Gas Engine, \$275. Carl Anderson Co., 23 N. Clinton st., Chicago.

ONE second-hand tubular boiler, 16 ft. by 52 in. Price, \$100 f. o. b. cars Kempton. M. J. Lee & Son, Kempton, Ind.

SECONDHAND GAS and gasoline engines bought, sold or exchanged. J. M. Johnston, 217 Lake st., Chicago.

GASOLINE engines, 12 and 30-h. p., for sale; standard make; nearly new. C. E. Goshert, 154 E. Lake st., Chicago.

SECOND-HAND Lewis gas or gasoline engine, No. 15, 20-h. p., in good shape. Rider Grain Co., Kentland, Ind.

OTTO 9-h. p. Poppet Valve Gasoline Engine, with battery, for sale. Clyde Mch. Wks., 33rd & Shields av., Chicago.

FOR SALE: One horizontal 10-h. p. steam engine in fair condition; \$75 cash on delivery. Witte Iron Works Co., Kansas City, Mo.

UPRIGHT 15-h.p. boiler and engine; and 25-h. p. boiler and engine, all in good condition, for sale. Write E. Cockrell, Jerseyville, Ill.

OTTO Gas Engine, 15 h.p., with new cylinder, new cylinder rings and new piston; engine in first-class order; price, \$275. F. M. Hamilton, Mays, Ind.

IF YOU want a good new or second-hand gasoline engine, call on or write to C. E. Goshert, Room 11, Marine bldg., cor. Lake and LaSalle sts., Chicago, Ill.

TWENTY gasoline engines for sale, 6 Ottos, 2 Fairbanks-Morse, 12 Daytons. Write for catalog 326. Chicago House Wrecking Co., West 35th and Iron sts., Chicago.

CENTER CRANK ENGINE for sale; 14x16; manufactured by the Erie City Iron Works; rated at 70 h.p.; used about 4 years; in first-class condition. Inquire Iron Elevator & Transfer Co., Buffalo, N. Y.

FOR SALE: Engines, 75-h.p. slide valve; one 12x30 corliss; one 16x42 corliss; one 15-h.p. gas; one Deane belt driven pump, two cylinders 5 1/2x10 in. W. S. McKinney & Co., 204 Dearborn street, Chicago.

ONE 18-h.p. Olds Engine, in use a short time, good as new, \$375; 1 3-h.p. Webster Engine, in use 30 days, \$100; 1 12-h.p. Webster Gasoline Engine, in use about 30 days, cannot be told from new, \$400. Allen P. Ely & Co., Omaha, Neb.

WE OFTEN have exceptional bargains in secondhand and rebuilt engines taken in trade or replaced by larger ones of our own make. Better write us your requirements and get our prices. We make no misrepresentations. Bauer Machine Works, Kansas City, Mo.

SECOND-HAND gasoline engines cheap: 15-h.p. Fairbanks-Morse, \$400; 12-h.p. Fairbanks-Morse, \$350; 15-h.p. Chicago, \$375; 7 1/2-h.p. Fairbanks-Morse, \$275; 4-h.p. Fairbanks-Morse, \$190; 6 1/2-h.p. Webster, \$250; new 16-h.p. Dayton, \$550; f. o. b. cars Chicago. A. H. McDonald, 36 W. Randolph-st., Chicago.

## ENGINES FOR SALE.

FOR SALE: one 2 1/2-h.p. upright Fairbanks Gas and Gasoline Engine, complete in every respect with all tanks, pipes, fittings; tube ignition in apple-pie order; \$100 net cash on delivery. Witte Iron Works Co., Kansas City, Mo.

FOR SALE—Secondhand gasoline engines, 1 to 50 h. p. Why buy new engines when we sell slightly used and guaranteed at one-half original cost? We have all makes and all sizes. Write us, stating your needs. Price Machinery Co., 507 Great Northern bldg., Chicago, Ill.

GASOLINE engines for sale: 25-h. p. Charter, 12-h.p. Charter, 6-h.p. Charter, 17-h.p. New Era, 10-h.p. Otto, 8-h.p. Pierce, 4-h.p. Pease, 3-h.p. White; No. 1 Willford 3-roller Mill, No. 2 Willford 3-roller Mill; 4-roller Mill; 2-h.p. marine engine and boiler; 7x10 steam engine and 20-h.p. boiler; 35-h.p. steam engine and 60-h.p. boiler. C. D. Holbrook & Co., Minneapolis, Minn.

## GRAIN FOR SALE.

MILLETS, Hungarian field corn, fodder corn, at fair values. Write for samples and prices. The Illinois Seed Co., Chicago.

WHITE WHEAT in carloads, if needing write Sam Williamson, Salt Lake City, Utah. Address telegrams "Williamson," Salt Lake City, Utah.

COW PEAS for sale. There is no crop sown that will produce more tons of feed suitable for all kinds of farm live stock than cow or stock peas and in addition they are worth cost as a fertilizer to the soil. Send for our circular "Forage." W. H. Small & Co., Evansville, Ind.

## SCALES FOR SALE.

SCALES, 2d-hand, all sizes, also new ones cheap. Chicago Scale Co., Chicago.

WAGON SCALE for sale, 6-ton Fairbanks. A. F. Chase & Co., 215 3rd street S., Minneapolis, Minn.

FLOOR SCALE for sale, Fairbanks, capacity 3,000 lbs, platform 4 ft square. Mattoon Elevator Co., Mattoon, Ill.

ONE 24,000-lb. Fairbanks Shipping Scale for sale. A. J. Proctor, Special Administrator M. B. M. Peacock estate, P. O. Box 911, Beaver Dam, Wis.

ONE thousand bushel hopper scale, with patent self-registering beam and leveling device, \$175. Address Barry-Wehmiller Machinery Co., St. Louis, Mo.

THREE 40,000 capacity Fairbanks Hopper Scales, good as new. We found it necessary to replace them with larger scales and will sell at a great sacrifice. Address J. F. Harris & Co., Burlington, Ia.

1 brand new 6-ton Fairbanks Scale with compound beam, 8x22 platform, never set up, \$100; 1 4-ton Howe Scale, double beam, 8x14 platform, \$60; 1 6-ton Buffalo Scale, compound beam, with platform 7-2x22, \$75. Allen P. Ely & Co., Omaha, Neb.

## MACHINES FOR SALE.

\$45 overhead horsepower, 1 h., good as new; \$15 f. o. b. L. H. Sorey, Clyde, O. T.

WESTERN Corn Sheller, Barnard & Leas Wheat Cleaner and all belting, for sale. E. Cockrell, Jerseyville, Ill.

METCALF Bifurcated Car-Loaders for sale; bargain, secondhand. T. V., box 6, care Grain Dealers Journal, Chicago.

ONE No. 5 Eureka Oat Clipper for sale. Never been run but little; as good as new. Box 17, Cerro Gordo, Ill.

THE "EUREKA" Double Shoe Compound Motion, Two Fan Separator. Very cheap. Address W. H. Moorhead, 56 Traders' building, Chicago, Ill.

ONE No. 4 Invincible Receiving Separator, for sale; first-class condition; complete set sieves; been run very little. Howard & Bemis, Edgerton, Minn.

TWO Prinz & Rau Barley Cleaning Machines for sale. A. J. Proctor, Special Administrator M. B. M. Peacock estate, P. O. Box 911, Beaver Dam, Wis.

WANTED—Grain elevator men who want grain handling machinery of any description, new or second-hand, can get their wants promptly supplied by advertising them in this department.

OAT CLIPPER for sale, No. 9, latest improved Monitor, never been run. Or exchange for feed mill with capacity of 5 to 7,000 lbs. per hour. Address Clipper, box 7, care Grain Dealers Journal, Chicago.

ATLAS 30-h. p. engine; 20-h. p. boiler; No. 3 Eureka Receiving Separator; two Sinker & Davis Ear Corn Feeders, and No. 1 McGrath's Corn Sheller; all in good condition, cheap. W. H. Aiman, Pendleton, Ind.

ABOUT 150-ft. Jeffrey Chain Conveyor, suitable for an ear corn drag or for conveying small grain either from dump or from storage bins. For further particulars and price write to Churchill & Co., Buffalo, N. Y.

FEED MILL, one Scientific, largest size, 15 h.p., new plates, new bearings; all complete, good as new; and one Scientific Feed Mill style L No. 1, 10 h.p. Write for prices. W. S. Belt, Bunker Hill, Ill.

ENTIRE OUTFIT of machinery from cleaning elevator at McGregor, Ia., including 50 horse engine, 75 horse boiler, 2 R. R. track Howe Scales, cleaners, elevators, car pullers, steam shovel, belting, shafting, etc. At very low price; in good repair and a bargain to any one about to build. L. N. Loomis, 326 Flour Exchange, Minneapolis, Minn.

## SCALES WANTED.

SCALES not in use can be sold quickly and at small cost by advertising in our department, "Scales for Sale."



# GRAIN DEALERS' EXCHANGE.

## HELP WANTED.

**FOREMEN**—Two good elevator builders wanted that can handle men and build elevators from plans. P. H. Pelkey, Winfield, Kan.

**GOOD MAN** wanted that understands buying hogs and grain. Write C. B. Franke, care Boston Store, Pond Creek, Okla.

**MANAGER** wanted for a 60,000-bu. elevator in a city. Must be a judge of corn, wheat, oats, rye and hay. Address City Elevator, box 9, care Grain Dealers Journal, Chicago.

**TRAVELERS** who call on country grain dealers can easily make something on the side and at the same time promote their regular business. Address Side Line, Box 12, Grain Dealers' Journal, Chicago, Ill.

**FOREMAN WANTED** for small cleaning and transfer elevator. Must thoroughly understand cleaning and grading of grain. State references and salary expected. Address Box 336, Clinton, Iowa.

**WANTED:** An experienced millwright, who can operate a 200,000-bushel capacity elevator in Pennsylvania; keep account of in-going and out-turn weights of cars. State position previously filled; also salary expected. Address D, Box 9, care Grain Dealers Journal, Chicago.

## MISCELLANEOUS FOR SALE.

**OHIO Township Officers Directory** now ready. R. S. Strader, Columbus, Ohio.

**CORN CRIB VENTILATORS**, adjustable, fit any crib, reduce liability of deterioration to a minimum, the invention of N. S. Beale, Tama, Iowa. Write for particulars.

**IOWA FARMS** for sale. Three farms belonging to estates must be sold for cash: 638, 640 and 750 acres respectively. Prices positively 40 per cent below value. Investors give this your attention. Address W. H. Gentner, President Farmers' Savings Bank, Farmington, Ia.

**FOR SALE**—Machinery and secret for the manufacture of corn cobs into feathers, a process that will turn into good account the large by-product from corn shellers which is now burned or given away to get rid of it. The feathers are purely hygienic and unexcelled for the manufacture of mattresses, pillows, bustles and dress forms; large profit. Address O. W. Lyman, Cedar Rapids, Iowa.

## PARTNERS WANTED.

**PARTNER** wanted, with a few hundred dollars, to help me ship and buy grain and general merchandise. E. J. Foster, Linton, Kan.

MARINE BOILER WORKS.

**THE MERTES-MILLER CO.,**

Manufacturers of  
Steam Boilers, Gasoline and Oil Tanks  
Dealers in Second-Hand Machinery.  
All Kinds of Sheet-Iron Work.  
239-241 Lake St., MILWAUKEE.  
Telephone, South 186.

## SITUATIONS WANTED.

**POSITION** wanted. References given if desired. E. S. Craft, Lewis, Kan.

**POSITION** wanted by an experienced bookkeeper. Unexceptional references. Address N. O. R., box 9, care Grain Dealers Journal, Chicago.

**POSITION** as buyer or manager of elevator wanted; 10 years' experience; best reference. Address Z, Box 9, care Grain Dealers Journal, Chicago.

**POSITION** wanted in country elevator as buyer and elevator man. Three years' experience and best of reference. Address O. W. L., Box 2, care Grain Dealers Journal, Chicago.

**HELP-WANTED** advertisements invariably bring twenty times as many replies as any other. If you want help, advertise in The Grain Dealers Journal and you will have a large number of applicants to select from.

**POSITION** wanted as manager or bookkeeper, southwest preferred. Lost position thru fire; 12 years' experience as manager in milling and grain; can furnish ample references, mostly to St. Louis merchants. Address Southwest, box 8, care Grain Dealers Journal, Chicago.

## GRAIN WANTED.

**CORN WANTED.** Quote. Miles Roller Mills, Miles, Ia.

**WANTED**, straight, dark mixed oats. Send samples and quotations. W. H. Small & Co., Evansville, Ind.

**GERMAN** and common millet and Hungarian, and No. 2 and 3 rye, wanted. W. H. Small & Co., Evansville, Ind.

**CASTOR BEANS** wanted—Please give us quantity, quality, location, price and where grown. M. & W., box 8, care Grain Dealers Journal, Chicago.

## ENGINES WANTED

**GASOLINE** engine, 8 h. p. & 75-light dynamo. 1637 Unity bldg., Chicago.

**WANT** to buy a 6 to 8-h.p. gasoline engine; must be in good shape (second-hand) Henry Perbix, Chapin, Ill.

**WANTED:** A good, secondhand, 16-h.p. gasoline engine, Fairbanks make preferred. Also either No. 2 1-2 Western Sheller and Rolling Screen, or equal size Moline; also belting and buckets. Address Cecil Grain & Lumber Co., Cecil, Ohio.

**WANTED:** To buy for spot cash, one gas engine, second-hand, of 60 to 75 h.p. or two, one 50 h.p. and one 20 h.p. Must be up to date, strictly reliable and of highest efficiency. No "traps" wanted. Give full particulars, guarantee, price, etc. Address Mill & Elevator Power, Box 9, care Grain Dealers Journal, Chicago.

## MILLS FOR SALE.

**FIFTY-bbl. roller mill** and elevator, all up to date, in gas town on Mo. P. Ry. 75 miles from Kansas City. Mill and engine room stone; elevator frame. Price, \$6,500; good reasons for selling; a snap for some one. Greeley Milling Co., Greeley, Kan.

**OREGON MILL** for sale; \$20,000 will buy one of Oregon's finest water power mills, with 225 bbls. capacity, and 80,000-bu. grain elevator, which is located in the best wheat section in the Willamette Valley. Track leading to mill door; buildings all on rock foundations, and mill recently refitted with modern machinery. Product can not be excelled; good paying investment. Reason for selling. Only those meaning business need apply. Address F. R., Box 9, care Grain Dealers Journal, Chicago.

## The Paddock-Hodge Co.

Operating Wabash Elev. 4 GRAIN Michigan Central A.  
Total Capacity, 200 cars daily. Storage Capacity, 1,500,000 bushels. Clipping Oats, 50,000 bushels daily. No Switching Charges from any road. Our bids will reach you daily, no matter where you're located. Advise if not receiving them.  
TOLEDO, OHIO.

## GRAIN DEALERS JOURNAL

255 La Salle St., Chicago, Ill.

Gentlemen—Enclosed find One (\$1.00) Dollar, for which please send the *Grain Dealers Journal* on the 10th and 25th of each month for one year to

Name of firm.....

Capacity of Elevator Post Office.....

.....bus. State.....

190



# LUMBER

We sell to everyone at the same price, strictly whole sale rates. We will sell to anyone.

**JOHN SPRY LUMBER CO.,**

ASHLAND AVE. AND 22ND ST., CHICAGO, ILL.

## COMPLETE ELEVATOR OUTFITS.

We are HEADQUARTERS for Buckets, Scoops, Conveyors, Belt-ing and all kinds of Supplies. Send us your Bill for Estimates.

**MIDLAND MACHINERY CO.,**

248 4th Ave. So.

Prompt Shipments Guaranteed.

MINNEAPOLIS, MINN.

## If You Want to Reach

The Grain Dealers of the Country  
Advertise in the Grain Dealers Journal.

## BETTER PRICES FOR YOUR GRAIN

can readily be obtained if you will purify it before shipment. Impuri-ties, such as smut, must and mold odors can be entirely removed, and unnatural stains from water or other causes can be removed by our patent process of purifying and the grain made sweet and bright.

A purifier can increase your profits enough to pay for itself in a short time.  
Write for particulars to

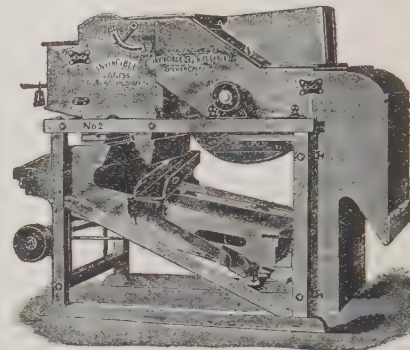
**The American Grain Purifier Constructing Co.**

DAVENPORT, IOWA, or KENTLAND, IND.

## INVINCIBLE DOUBLE RECEIVING SEPARATOR

ABSOLUTELY DUSTLESS

ELEVEN SIZES



### A CLEANER THAT CLEANS

Without injury to the grain and at a minimum ex-pense for power and repairs.

It is simple, durable, compact, light running and reliable.

It is fully guaranteed and shipped to responsible parties on 30 days' trial.

We manufacture corn and cob separators and cleaners, oat chippers, receiving separators, scourers and cleaners, needle screen gravity separators and spiral belt separators. Send for catalog.

**Invincible Grain Cleaner Company**

Invincible Works,

SILVER CREEK, NEW YORK.

REPRESENTED BY

W. J. SCOTT, Wyoming Hotel, Chicago, Ill.

EDW. A. ORDWAY, 512 Exchange Bldg., Kansas City, Mo.

CHAS. H. SCOTT, Nicollet Hotel, Minneapolis, Minn.

J. N. BAON, Balchorne Block, Indianapolis, Ind.

### WHAT DO YOU SAY?

When you have shopped all over the "Footstool," and finally decided to let the fellow have your order who can promise you the most for your money, and you finally get the machine—set up and start it—and it doesn't come within a 100 bushels of its catalogue capacity.

### DO NOT SAY NASTY THINGS

It isn't really the machine's fault, it is doing the best it can for the money you paid for it. If you pay a small price for a machine, it is dollars to doughnuts that you get a small machine. Makers are not selling gold dollar machinery at seventy-five cents nowadays.

### IF IT FALLS APART

after you have been running it for a few months, you can't blame it because the little extra that we wanted was for the extra time, skill and materials that went to make a machine that would hang together as long as you used it right.

### YOU MUST EXPECT THESE THINGS

It is the way of the world, no matter whether you are buying shoes or silver. Cheap things are always cheap, and that is a bit of experience that you may have to pay hundreds of dollars for.

### IT IS FOR YOU TO SAY

what you will do. If you buy any of our machines you have back of you the absolute guarantee of wear, capacity and effectiveness. It costs—exactly what we can get for it from the largest and most exacting line of trade in the country.

Remember, we make all kinds of Grain Cleaning Machinery, large and small, and to special order.

**HUNTLEY MANUFACTURING CO.,**

THE MONITOR WORKS.

SILVER CREEK, NEW YORK.



**GRAIN DEALERS JOURNAL**  
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furnished on application. The advertising value of the Grain Dealers Journal as a medium for reaching the grain dealers and elevator men of the country is unquestioned. The character and number of advertisements in its columns tell of its worth.

**Letters**  
on subjects of interest to those engaged in the grain trade, and trade news items are always welcome.

CHICAGO, ILL., MAY 10, 1902.

Some one should start a trust in cut worms. A Nebraska correspondent informs us "they never were so plenty."

The continued advance in insurance rates by the stock companies insures an unusually large crop of fireproof elevators.

If you do not find the grain trade information in the Journal which you want, write to us and we will try to get it for you.

Line houses advance their own interests and make it easier for receivers to detect scoopers by supplying printed stationery for every station.

The dealer who wants to buy or sell an elevator can learn of The Best Way by referring to the pages devoted to the Grain Dealers Exchange in this number.

Subscribers who have been reading articles prepared by S. M. F. should not hesitate to write us if they have any questions they desire put to our contributor regarding the preparation of grain for terminal markets.

The best news which has recently come from the Northwest is that Minneapolis has adopted an ordinance which protects grain cars from sweepers. May it be rigidly enforced and offenders given long terms in the city pen.

The increased acreage of corn, oats and flax in the Northwest is likely to make trouble for some of the line companies whose small country elevators were erected especially for wheat. More storage room and greater power will be needed to meet the new conditions.

A track scales can not withstand the severe strain of an engine running over it if steam or brakes are applied to the wheels while on platform. If you have a track scale do not expect it to weigh correctly if the engineer does otherwise.

A bill has recently been introduced in the house of representatives (H. R. 14,022), which is designed to prevent the interstate telegraph and telephone lines being used to promote gambling. It is aimed directly at the bucket shops and pool sellers and merits the earnest support of every honest man.

If you would understand the principals upon which scales work read "The Philosophy of Grain Scales" in this number. Think over it and peruse it again and again until you comprehend how your scales work. It will assist you in finding the cause of trouble and its remedy when your scales get out of order.

If all the exchanges of the country would take an earnest part in the fight conducted by the Chicago Board of Trade against the bucket-shops this illegal institution would soon disappear. The bucket-shop man is the scooper of the option trade. In addition to being irresponsible he is generally very dishonest.

Membership in shippers' associations should properly be confined to operators of country stations. Receivers and track buyers who obtain honorary membership through their membership in the National Association will not be able to use the local association for the advancement of interests foreign or antagonistic to the shippers.

The Merchants Exchange of Memphis has already begun to prepare for the entertainment of the thousands of grain dealers who will visit that city the three first days of October during the annual meeting of the National Association. A warm welcome and royal entertainment will surely be tendered those who will take the time to attend the meeting.

The continued agitation of the shortage troubles will establish the fact that it is absolutely necessary that cars should be well guarded in yards, and doors carefully replaced and resealed whenever opened by inspector or sampler. It is unreasonable to think that the shortages of to-day are due to every other cause than carelessness in handling or guarding yards.

One of the commendable works undertaken by the Nebraska Association is the sending out of a scale expert to examine all scales of members in a neighborhood at the same time, thereby reducing the cost and encouraging the shippers to keep their scales in prime condition. It would seem money well invested for other associations to assist members in the making of such tests.

The efficiency of scales is often impaired by the action of rust on the bearings. By keeping water out of the scale pit and drawing out that which does seep in, the elevator man prolongs the life of his scale indefinitely. The elevator man who drains rain from his office roof and from the inclined driveway onto his scale platform is a grave offender in this matter and of course will pay dearly for his carelessness.

Despite the short crop of last year, many elevator men of the country will build new and overhaul old elevators increasing their storage and handling facilities to meet the demands of their trade. In some sections dealers seem to think the prospective crop will not warrant them in making extensive improvements, but, judging from the number of reports published in this number, 1902 will be above the average for elevators built and improved.

The association which pays its secretary a fair compensation has a right to expect him to look after its interests and to give his time to its work, but the association which thrusts its secretaryship upon some dealer who is already quite busy can not expect him to neglect his own business for its work. Success can not be attained by an association unless some one gives its work considerable attention, and if the time of a competent man is needed, his services are worthy of a salary.

In the death of J. Sterling Morton, who has been identified with the grain interests of Nebraska for many years, the country loses a man who had the temerity to stand up against the Washington pap makers and persistently and vigorously oppose the free distribution of stuff called, by courtesy, seeds. The country is also indebted to him for Arbor Day. He will long be remembered as being the Secretary of Agriculture who dared to stand up for what he believed to be right, regardless of the odds.

One good sign of effective association work is the continued decrease in the number of claims and disputed accounts which are referred to the associations. The spirit of harmony and compromise promulgated by the associations is extending to the dealers to that extent, that they are willing to give and take more readily, without feeling that the other fellow is trying to impose upon them. Friendly intercourse has instilled all with a more tolerant consideration for the rights of others in the trade.

Two distressing accidents which have recently come to our attention is that of a Minnesota buyer who climbed out on a loading spout and fell to the ground with it, losing his life. Of course no dealers who reads this notice will be so rash as to imperil his life by such thoughtlessness. The other accident oc-



curred in an Indiana elevator. A four-year-old boy, having been permitted to convert the elevator into a play house, was sucked down into a bin from which grain was being drawn, and suffocated. The place for children is not in the elevator.

Operators of gasoline engines will profit greatly by perusing and heeding the suggestions of John Black on the care of gasoline engines, elsewhere in this number. The salesman's statement that "all you have to do is to turn the valve and the engine will do the rest," has no doubt prompted many would-be operators to carelessness and slothfulness. The operator who takes a personal pride in keeping his engine clean and in good condition will not only reduce the work and worry of operation, but will become so familiar with its parts and working principle that when something does go wrong he will readily discover the cause. Knowing his engine he will not be afraid of it, and if he also knows his instruction book well he will know exactly what to do to remedy the trouble.

The Iowa Association is compiling monthly statements showing stocks of grain on hand at country points, for the information of those members who contribute reports. The Nebraska Association will also issue reports of this character. Although there has been some discouraging talk regarding the value of such reports, it is not to be doubted that they will be of value to every dealer who persistently contributes the information asked. The dealer who misrepresents his stock will soon come to the opinion that other dealers are doing just as he does, hence the reports are of no value, and he will discontinue sending in his contribution thereto; while the dealers who make honest reports and believe others to make like reports, will value and work to continue the monthly statements of stocks.

Some dealers fear to insist on written contracts with farmers who sell grain for future delivery because one or two touchy, and generally irresponsible, farmers fly off the handle when asked to sign a written agreement. There can be no doubt that dealers lose more by honest misunderstandings with farmers who are honestly disposed because of not having written contracts, than they do by insisting upon having such contracts. The written contract gives both the parties to it, a clear and concise understanding of it, so that it may be readily referred to at any time and memory refreshed. Such contracts are invaluable when rising markets prompt near-by farmers to haul grain to distant stations that they may get higher prices. Are you protecting your business against mis-

understandings and losses due to not having written contracts?

The regular membership of the Grain Dealers National Association is gradually increasing and by the next annual meeting it will surely include two hundred of the grain receivers and track buyers of the country. With this large number at work, the influence of the National and its affiliated associations with their 1,800 members will soon establish an era of fairer dealing. Each member will give more tolerant consideration to the rights of the other fellow, and as trade customs and practices approach uniformity and become defined by trade rules, all will have a clearer and more definite understanding of what is considered right. The tricksters, the dishonest men and the scoopers will be forced to seek other lines of business, and the grain trade will be raised to a higher plane than ever before.

In providing for appeals from the decisions of the Arbitration Committees of the state and local associations to that of the National Association it was not thought possible that any dealer would be able to secure enough of a delay to encourage other dealers to appeal for the sake of the delay. Cases tried in court are often appealed simply for the sake of the delay, the appellant hoping thereby to postpone indefinitely the payment of the judgment, and his attorneys expecting thereby to increase the amount of their bill. Secretary Dorsey of the Texas Association seems to fear the Arbitration Committees of the grain associations will some day get as far behind in their work as the courts and their disputants will appeal solely for delay. Such a condition must necessarily if ever occur far in the future, and when it is found, the progressive association workers will quickly find a remedy.

Mr. Schuyler of the Chicago Board of Trade weighing department has recently come forward with a suggestion which if carried out, will go far toward reducing the losses of grain due to leaking cars, to a minimum. In his address at Des Moines he suggested that cars designed for loading bulk grain should be lined with steel and be provided with a snugly fitting, easily-operated car door. The report of the shortages occurring in Kansas City in March shows 199 cars leaking and most of the leaks were due to defective or weak cars. This all steel car is declared by the railroad company to be impracticable because of the great expense involved in their purchase, and of the great delay which would be occasioned by a wreck of such cars. The use of steel lined cars would strengthen and prolong the life of the car more than enough to offset the increased cost of such cars. Then, too, the cars could be more readily cleaned, and they would not be so easily damaged in the handling of package freight.

Two years ago through the efforts of the representative of the Grain Dealers Association of Indiana in the Hoosier legislature a warehouse law, similar to that of Iowa, was enacted, primarily for the purpose of protecting bankers who loaned money on grain stored at country points. The natural result was that the dealers could borrow money at a lower rate of interest. The Nebraska Asso-

ciation, finding its members encumbered with a law which makes the security of the banker somewhat doubtful, proposes to have the law amended so as better to secure the banker who loans money on such collateral. That it will result in a material reduction of the interest account of the dealers of the state is assured by prominent bankers of that state. Texas dealers are in even a worse predicament than Nebraska, and Kansas has laws which the average money lender is afraid of. The grain dealer, being so extensive a borrower of money, can afford to take up the work of surrounding the security with laws that will give the banker the needed protection to warrant him in making loans at a reasonable rate of interest.

The discussion of mutual insurance and the appointment of committees to investigate the practicability of organizing a mutual company appears regularly on the program of every meeting of grain dealers these days. The problem is pressing the country elevator man very hard for a solution. Some who have been carrying policies in stock companies are so completely exasperated by the repeated increase in rates, that they denounce the exaction as robbery, and carry the risks themselves. Such an extreme measure is not necessary because some of the old established, well-managed, strong and reliable flour mill mutual companies have recently amended their by-laws so as to permit them to insure elevators operated by other than millers. Some of these companies are advertised in this journal, but, of course, no mutual company will take every elevator offered. The flour mill mutuals have made a study of this class of risks for years and rate each one according to its own hazards, not according to what they think the class should pay, as is done by the stock companies. Few elevators have so many hazards that they cannot be profitably and readily changed to comply with the requirements of the flour mill mutuals. The mutuals have saved about 50 per cent to their policy holders during the last quarter century. Each one of the companies has accumulated a large fund of cash assets, as well as actual experience in this line. No doubt, if the grain dealers were to present enough business to the mutuals they would be given representation on the board of directors of the flour mill mutuals, which are now soliciting the better class of elevator risks. The agitation which has been brought about by the greed of the stock companies is sure to result in much good eventually, to the elevator owners, for out of it must come good insurance which costs less. The elevator owners who join with the associations in the movement to secure good insurance at a reasonable cost, will quickly profit by such action, but those who refuse to change their elevator to comply with the requirements of the flour mill mutuals, and continue to insure with the stock companies, at their extortionate rates, will find in a short time a still greater increase in rates on elevator property, for this very good reason, that nothing but the poorer risks will be carried by the stock companies, hence, they will be called upon to pay a much greater percentage of losses on elevator property. As a measure of self-protection they must make a further increase in their rates which will drive more business to the mutuals, and bring more advantage to those elevator men who are disposed to reduce the fire hazards of their plants.



## ASKED AND ANSWERED

### WHERE DO CASTOR BEANS GROW?

Grain Dealers Journal: I would appreciate it very much if some readers of the Journal would inform me where castor beans are grown.—J. M. B.

### AUTOMATIC NOT EQUAL TO HOPPER SCALES.

Grain Dealers Journal: One of the readers of the Journal asked the question whether or not automatic scales were accurate enough to take the place of hopper scales.

There is no automatic scale that can replace a good hopper scale and a careful weighman. Their mechanism is easily impaired and when set for one kind of grain, will not weigh grain of a different test-weight correctly. J. A. Schmitz, Scale Inspector, Chicago Board of Trade.

### HOW TO RID ELEVATOR OF WEEVIL.

Grain Dealers Journal: In reply to A. & M., who state in the last number of the Journal that they are overrun with weevil, I would say that this pest can be gotten rid of easily by going about it the right way.

Weevil die in an atmosphere charged with the vapors of bisulfide of carbon. Grain in bins is treated by pouring the bisulfide directly on the heap, when the heavy gas sinks thru the mass to the bottom, suffocating all the insects without damaging the grain. Use one pound to every 40 bushels of wheat. If bin is partly filled cover the surface of the grain with blankets to keep the air from following the vapor down. Leave it a day for the gas to penetrate all corners, and when airing have no lights, since the vapor is explosive when mixed with air. A special grade of bisulfide for killing insects is made by a chemist of Penn Yan, N. Y., E. R. Taylor.

A good plan is to clean elevator thoroly, occasionally and to permit no accumulations of dirt. When weevil are found in grain the contents of the infested bin should be shipped out at once if practicable; if not, it must be treated with bisulfide and then run through a fanning mill to blow out dead weevil.—J. M.

### LIABILITY OF COMMISSION MAN.

Grain Dealers Journal: In reply to J. B. H., page 253 of the Journal for March 25th, will say:

(1) Any breach of instruction gives the principal a right of action against his agent.

(2) When no instructions are given the agent, he must perform his duties in accordance with custom and usage, but

(3) No custom or usage, in itself, can change the terms of a contract.

(4) What is the custom or usage in a particular case is a question of fact.

Assuming that J. B. H. consigned his grain to a commission house accompanied by no instructions regarding the terms of sale. It may be said that the agent, or commission house is clothed with the right to sell in the exercise of sound discretion, at such time and in such mode as the usage of trade and general duty

require. "Usages of a particular place, or of a particular business are impliedly incorporated into every contract of agency unless the contrary is especially mentioned. The principal and agent (for such is the relation between consignor and commission house), are presumed to adopt such usages and to agree to govern themselves in accordance with them." And a usage may be general, though confined to a particular city, town, village or district, as in *Dwight vs. Whitney*, 15 Pickering, the court said that a factor is bound to conform to the instruction of his consignor as to the price of the article to be sold, the terms and mode of payment, but in the absence of any instructions, the consignor is presumed in law to be acquainted with and to assent to the course of dealings which is usually practiced at the same market by others in the same line of business. The court also holds that the consignor is bound by the customs and usages of the market whether he knows of the existence of such customs and usages or not.

*Leach vs. Beardslee*, 22 Conn., is an interesting case. Here the plaintiff delivered to the defendant, a drover, a certain oxen to be sold for a commission in the usual and customary manner. The defendant having sold the oxen received one note for the purchase price of both them and oxen of his own. He retained the note and before its maturity the makers became insolvent. It was held in the absence of specific instructions as to the manner of selling the oxen the implied understanding of the defendant was to sell them in the customary manner, that the custom of drovers in reference to such sales might be shown to show the extent of the duty and obligation of the defendant, and that if he conformed to such custom, he incurred no liability thereby.

And so in this question put by J. B. H. as the agent was bound by no specific instructions, it was his duty to confine his acts to the usage of that particular market in which he was doing business as regulated by the place where the business was conducted. It has been shown that in Chicago the usage and custom of commission merchants is to sell for cash only, or to guarantee payment of sales made thru their firms. However, the opinions of the various commission houses throughout the different states, are not entirely uniform on this question of liability. It has resolved itself into a matter of business principle between them and their customers. Most firms regard it their duty to ascertain the financial standing of the vendee before delivering their grain, and if their judgment errs, to hold themselves liable for any loss incurred. Seventeen answers were received from commission firms and all but three dealers declare this to be the rule of their respective houses. In the query at hand, what was the custom or usage is a question of fact and the liability or non-liability of the commission house is determined by their non-adherence or adherence to custom or usage.—*Mitchell D. Follansbee*, 205 La Salle St., Chicago, Ill.

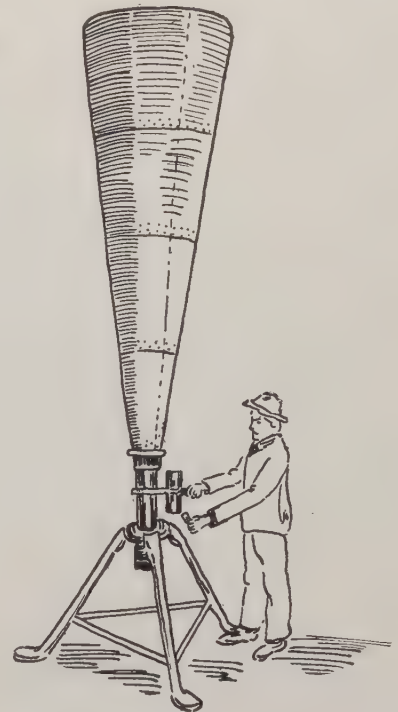
### WHAT PAINT FOR IRON ELEVATORS?

Grain Dealers Journal: Will some reader of the Journal please inform us what is the best kind of paint to use on an ironclad elevator and roofs. We would like the past experience of those using paint. What is the proper color?—*W. F. Starz & Co., Fowler, Ind.*

### Rain Makers and Preventers.

Several years ago the farmers of drouth-stricken districts were tendered the services of many "rain-bringers," who proposed to bombard the heavens, in order to cause a condensation and precipitation of the moisture. Of course these bombardments were at so much per. Rain followed these bombardments in so very few cases that farmers were soon convinced the explosives had no effect other than to blow money from their purses, hence the "thunder storm sellers" quit business.

This scheme was almost forgotten until last month, a Coloradan pressed the officials of one of Nebraska's dry counties to employ him to furnish rainstorms. He claimed to have possessed the real secret of rain-making for fourteen years, and would furnish in quantities to suit and whenever desired. His plan was to bombard the heavens, so the experienced ones looked wise and refused to contribute to his exchequer.



WEATHER CANNON USED IN ITALY.

In the light of this experience, it seems incredible that the people in any of the old, slow-going countries of Europe should bombard the heavens to prevent rainstorms, yet according to *Popular Mechanics*, to which we are indebted for the engraving given herewith, the weather cannon illustrated herewith is used in Italy for this very purpose. They are common in the vineyard districts of that sunny clime. Whenever a black cloud approaches the heavens are vigorously bombarded with these cannon, preventing the condensation and falling of the vapor.

The largest of these cannon would hold three or four men in their bell-shaped openings. The framework is really a mortar and is opened by means of a lever. After the cartridge is inserted the mortar is closed and fastened by a set screw. Connected with the cartridge is a percussion cap. When it is to be discharged the "gunner" simply strikes the cap with a small hammer.



## How to Prepare Wheat for the Terminal Markets.

By S. M. F.

The preparation of wheat for terminal markets is a large subject and I do not believe it is within the realms of possibility to establish any rule or specific methods that will apply in all cases.

Many terminal markets are amply supplied with cleaning and mixing houses that depend on the manipulation of grain for their maintenance and are well equipped with all the up-to-date machinery and appliances, which enable them to work on so small a margin that the small country elevator can not hope to derive much profit from cleaning and mixing wheat. In cleaning wheat a great many screenings is at a disadvantage compared with the cleaning house at the terminal point, which is in better position to dispose of the screenings. In fact, the terminal mixing houses depend on the screenings for a part of their income. Reasoning along this line I think it will not pay to clean the wheat if shipping to a terminal market where the wheat is practically all bot and handled thru these scalping houses. When shipments have to be made to such a market I suggest that no wheat be cleaned.

Mixing wheat is profitable, even for markets equipped with mixing houses. Some wheat comes in quite clean and some of it very dirty. Being in touch with his market the country grain shipper knows about how much foul stuff his grain will carry and make the grade he desires.

I would mix the dirty wheat with the cleaner wheat to the extent the grade will stand, provided the wheat is equal to the cleaner wheat if cleaned.

By calling on the inspector at the terminal market the country shipper can get standard samples of all grades from which to determine what grades he can best make. He will be receiving wheat that will be good, other that is more or less bleached, some sprouted, some smutty, some musty and some shrunken.

Having arrived at the grade he wishes to make the shipper should examine closely the standard sample of that grade to see how much of the wheat with the foregoing defects can be put into the shipments. While the wheat is running into the car compare it with the standard sample, to note when the mixture is up to the standard.

Cleaning wheat pays in terminal markets where each car or lot sells on its merits by sample, no attention being paid to the grade the inspector has put on it. In shipping to such a market the country elevator man should establish a standard or line of wheat independent of what it may grade by inspection departments. If country grain men would patronize the receiving agent of commission man who sells the wheat consigned to him on its merits, I think it would go a long way to increase the profits of the country shippers.

To explain: I ship one car of wheat expecting a No. 2 grade; and I ship one on which I expect a No. 3 grade. When these two cars arrive the first car has some very slight defect, not much, but just barely enough to make it go at No. 3. The other car grades No. 3, but is on the lower line. In this case the broker who sells by grade instead of merit will return me account sales of these two cars at the same price, leaving

my loss on the good car to go as profits to the terminal mixing house.

I always have thought that it would pay the country grain man to make a good, fair grade of wheat and ship it to a market where it will sell on its merits.

## SEEDS.

Weed seeds are dear at any price. The home supply is more than enough.—Whitney-Eckstein Co.

The Jerome B. Rice Seed Co. has contracts for 400 acres of peas to be grown in the vicinity of Elk Rapids, Mich.

H. C. King, Mt. Union, Ia., April 28: As nearly all the clover is killed, clover seed will be a scarce article next fall.

The Waterloo Seed & Irrigation Co. has leased considerable land in the vicinity of Oconee, Neb., for the growing of seed grain.

J. Bolgiano & Son, who have been in the seed business for 84 years at one location at Baltimore, Md., have removed to their new building.

C. H. Reed has bot a large interest in the Amzi Godden Seed Co., Birmingham, Ala., and taken the position of vice-president and treasurer.

Gault Bros., Creston, Ia., intend to put in an up-to-date seed cleaner and grader the coming season, in order to more economically handle their increasing business.

The Missouri Valley Seed Co., of St. Joseph, Mo., is preparing plans for a four or five-story building. Mr. Samuels, the proprietor, will put in the best cleaning machinery.

A sample of clover seed offered on the Chicago market for 2 cents per pound was found to contain about 338,300 weed seeds per pound, or more than 20,000,000 per bushel.

It is claimed that the genuine southern-grown German millet will produce twice as much seed or fodder as the common. Many plant it in their chicken yards for the young chickens to feed on the seeds.—W. H. Small & Co.

Dr. W. J. Beal, of the Michigan Agricultural College, states that the development of a new type of clover is needed, with a shorter corolla, so that honey bees can reach the nectar. This would insure the fertilization of the flower, and a large yield of seed.

J. A. Everitt, seedsman, of Indianapolis, Ind., has brot suit against E. Russe, alleging that when Mr. Everitt owed the Columbia bank a large sum, in March last, Mr. Russe told a stockholder in the bank "I understand he offers his property for sale, and is about at the end of his career. If you don't want to lose, you would better protect yourselves." The talk was repeated to others, and Mr. Everitt wants \$10,000 damages.

Perhaps no class of merchants knows less about the quality of the goods they handle than do the small seed dealers about the seeds they sell. They know the more common seeds, and can tell whether clover seed is clean or very dirty, but beyond that their knowledge does not extend. They buy their stock under a certain name and sell it as such. Recently a package of orchard grass seed was bought from a dealer, and it was found to contain no orchard-grass seed whatever, but only English rye-grass.—A. J. Pieters of Department of Agriculture.

## LETTERS FROM THE TRADE

### MR. GOODWIN HAS IMPROVED KANSAS CITY WEIGHTS.

Grain Dealers Journal: I notice in the Journal of April 25, that Mr. J. G. Goodwin, Chief Weighmaster at Kansas City, Mo., has been criticized for making the statement at Topeka, Kan., that he took charge of the weighing department of that market last October.

Every one connected with the grain trade knows Mr. Goodwin's statement is true, and it looks childish for other people to undertake to give the credit of improved weights at Kansas City to anybody except Mr. Goodwin and the Kansas City Board of Trade.

The trade should be thankful that conditions have improved under the administration of Mr. Goodwin, who is posted on every detail of the business of weighing, and his efforts are appreciated by shippers of grain all over the West.—Shipper.

### IS YOUR ELEVATOR INSURED?

Grain Dealers Journal: During the last few months the stock insurance companies have increased their rates, so that now it is quite a burden on the elevator man to have to pay the exorbitant charges asked.

Mutual insurance is good and safe and if one is situated so that he can take out a policy in some one of the flour mill mutual companies it would be to his advantage to do so. Above all, do not be without insurance. You cannot afford to burn out, for it means not only the loss of your elevator, but the loss of several months' business. Therefore you cannot take chances by not patronizing the stock companies, even if their rates seem too high.

Taking it for granted that all elevator men keep their houses insured, it is well to use due precaution to prevent fires. Barrels of water shud be placed in the elevator in handy places, a pail shud be kept by it and not be used for other purposes. Keep your elevators clean, do not allow smoking. See that all bearings are well oiled and that your shafting is in alignment. Make your risk a good one. If you have a chance, let some insurance inspector inspect your elevator and make suggestions, which, if followed out, will go a long ways toward securing a lower rate on your property.—S. C. J.

New crop corn, December, is selling at a discount of 10 cents per bushel in the Chicago market. Wise farmers will scrape together what little corn they have and sell it soon if they wish to obtain old crop prices.

War taxes are all off next July. President has signed the bill. This should increase the trade among scalpers, who are generally satisfied with an eighth or quarter. It will also be a relief to the farmers and dealers on actual grain.—C. A. King & Co.

By a large majority the Chicago Board of Trade Apr. 12 adopted the rule making "standard white oats" the regular contract grade, so that beginning Monday, April 14, the new trade in July and later deliveries is in "standard oats." Existing contracts will be designated as "old style." The May and June deliveries will remain unchanged, because the state grain department's new rule is not effective until July 1.—Pope & Eckhardt Co.



## The Care of a Gasoline Engine.

By John Black.

Trouble with a gasoline engine in the great majority of cases arises from some little cause which the operator can easily detect if he has a systematic method of examination, and he can promptly remedy it if he has learned his engine.

The operator may think he has learned enough from the factory expert; but it is always well to study the book of instructions, thoroly after he has gone, to fix more firmly in the mind the points which have been explained, and bring out new ones.

When the engine some cold morning refuses to start, or when, in the midst of a rush, it deliberately stops, it is then a poor time indeed to bring out an instruction book and hunt up things about which one should be thoroly posted.

The operator knows how to set the engine for taking the first charge; he knows about setting the gasoline needle point for the proper feed; how to throw on the switch for the electric igniter, or heat up the hot tube if that form of ignition is used. Of course he has the cooling water turned on, and all the oilers filled and feeding to their proper places. This was learned from the expert. An engine that did not usually start after following out the regular instructions would be a failure. It is the few exceptions which cause the trouble.

Be sure there is a good supply of gasoline at the needle valve, and that the valve is not stopped up. Then one should test the electric current to the igniter, by throwing on the switch, removing the wire fastened to the igniter plate and wiping it across any part of the plate except the insulated or fixed electrode. If everything is right there should be no spark. Also revolve the engine until the igniter trip brings the two points together inside the cylinder, or, until the trip is just ready to slip off the movable electrode. Now there should be a sharp spark when the wire is wiped again in the same way, which ceases the instant the trip slips off and the points fly apart. If, in the first case there is a spark, then there is a short circuit. The igniter must be taken apart, the insulation is examined and everything made clean and dry. Sometimes the insulation is found cracked, or soot has got in between the points, or oil has worked under the insulation. If, on the other hand, no sparks could be obtained at all, first try all the wire connections between the engine and battery, and then all those in the battery case itself; and be sure that all are screwed down tight. If the spark is weak the battery has probably run down; in which case consult the instruction book, which should describe the particular battery used with that engine.

A weak battery will cause the engine to miss fire when running, and often to die down and stop after a short run. After the battery has been found in good working condition the next point is to see that the igniter is correctly set.

The igniter should trip just when the piston is in its inner position after drawing a charge into the cylinder. This point varies on different engines; but as a rule it is put as much below the inner center as the engine will stand and not thump.

In drawing in the first charge do not get it too rich. Too much gasoline will prevent the mixture from exploding, just as surely as too little. Often the operator gets too rich a charge and consequently there is no explosion. A second and a third is drawn in, and it is then impossible to start the engine until the exhaust valve

is opened and the cylinder cleaned out by revolving the engine. The engine has been "flooded." Be sure that the charge is too weak before giving more gasoline.

Cylinder oil is another source of trouble. Never use anything but regular gas engine cylinder oil. Steam engine cylinder oil may cost three or four times as much, but is utterly unfit for a gas engine, where a special oil designed for the high temperature is required.

Like all machines a gasoline engine needs care. A careful operator will examine all bearings often, to see that they are properly adjusted and lubricated. He will see that the governor works freely, and that the valves seat correctly. It is well to look into the valve chest every few weeks to see how the valves seat. If there is any indication of imperfect fitting a little fine emery and oil should be placed on the seat and the valve revolved until it bears well all around.

These observations apply equally well to gas engines. To summarize: First, have

set forth is to educate advertisers to do their own advertising instead of giving it to advertising agencies, and to make them advertise well and profitably. It is full of hints on preparing copy, follow up inquiries and land business. The publishers of the book are advertising specialists whose business is to give the advertiser ideas on laying out his campaign. The book is artistically gotten up, written in an entertaining style, and well worth the time of all who do advertising to read. Price \$1.00. The Whitman Company, New York.

## Old Elevator at Creston, Iowa.

The old elevator at Creston, Ia., still greets the sight of travelers just as it appeared 25 years ago, when Joseph Norton built it.

The changes have been mostly in the interior. Its original equipment included a receiving sink, and at one time the whole plant was lighted by electric lamps.



GAULT BROS.' ELEVATOR AT CRESTON, IA.

confidence in the engine, and take it for granted that if it refuses to work the chances are that it is due to some slight cause; second, know the engine and instruction book from A to Z; third, have a regular routing for starting an examination in case the engine stops; fourth, give the engine care enough to keep it in good condition.

## Books Received.

THE LITTLE RED BOOK for 1902, containing list of 2,000 vessels of the Great Lakes, with directory of master, engineer and owner, has just been issued in vest-pocket size by the Marine Review Publishing Co., Cleveland, O. Price, \$1.

REPORT of Kansas State Board of Agriculture for the first quarter of 1902, is a handsomely illustrated volume of 336 pages, reflecting great credit on its compiler, Secretary F. D. Coburn. Wheat growing in Kansas is exhaustively treated, with chapters on milling, the insect enemies of wheat, and 73 pages of experiences of growers in each county of the state.

THE INDIVIDUAL ADVERTISING DEPARTMENT is the title of a book which is dedicated to the man who puts up his cash to back some other man's ideas of advertising. The principal idea

The track side shows in our engraving Mr. Norton operated the house for a number of years before selling to R. R. Palmer.

Gault Bros., the present owners, took possession in August, 1899, and immediately set about making improvements to economize labor. The arrangement now is convenient and the equipment up-to-date.

Power is furnished by a steam plant of 28 horse power. Two wagon dumps and two stands of elevators give ample handling capacity. The machinery includes grain separator, oat clipper, track scales, and corn sheller of 10 cars' capacity. To handle economically their increasing seed business the firm will put in a seed cleaner and grader.

Other elevators are operated by the same firm at Cromwell, Spaulding and Shannon City. James Gault has his headquarters at Creston, while David Gault is in charge at Cromwell.

The receiver who is fully advised regarding quantity and quality of each shipment can better work for the advantage of the shipper. No unposted agent can fairly represent your interests. The free investment in a postage stamp will always bring good returns.



## A Well Arranged 30,000 Bushel Elevator.

We show in the accompanying illustrations the end and side elevation and first floor plan of a conveniently arranged elevator of 30,000 bushels capacity. It is 34x36 feet on the foundations and 40 feet to base of cupola. The cupola is 12x24 feet and 26 feet high. The first floor plan shows the driveway, which runs thru the house and the two dumps, one for ear corn and the other for small grain. The receiving sinks under the dumps hold 500 bushels of ear corn and 1,000 bushels of wheat.

Under the corn dump is placed a Victor sheller, while a Cornwall Corn Cleaner is located in the cupola. On the first floor is the oat clipper. Two elevator legs of

size bucket and eliminates the danger of choking.

A car puller of new design is also used, which is provided with a friction clutch and large drum for taking up wire cable which is used in place of rope.

The building is strongly constructed, well rodged, and easy to operate. It was designed by W. W. Lockwood of Winfield, Kan.

## Meeting of Ohio and Indiana Dealers.

A meeting of the Western Ohio and Eastern Indiana Grain Dealers Association was called to order by H. C. Tinkham in Randall House, Ft. Wayne, Thursday, May 8, at 5:00 p. m.

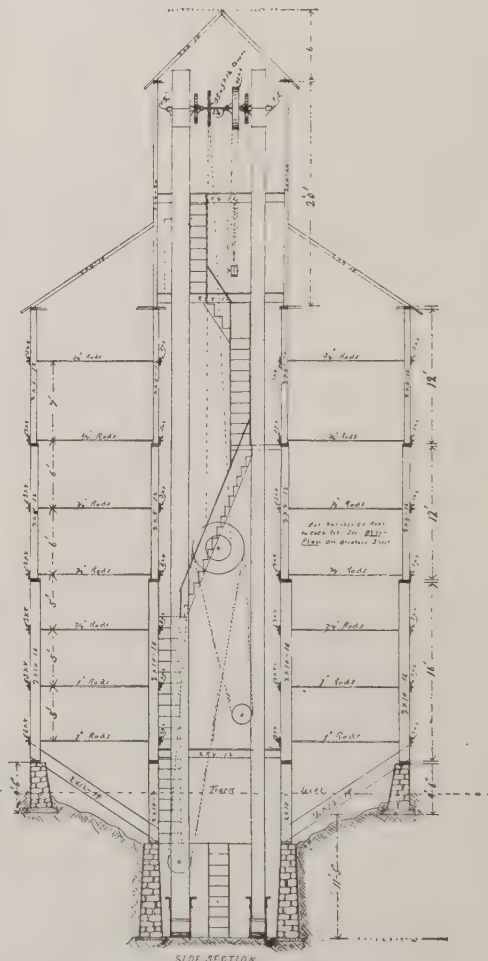
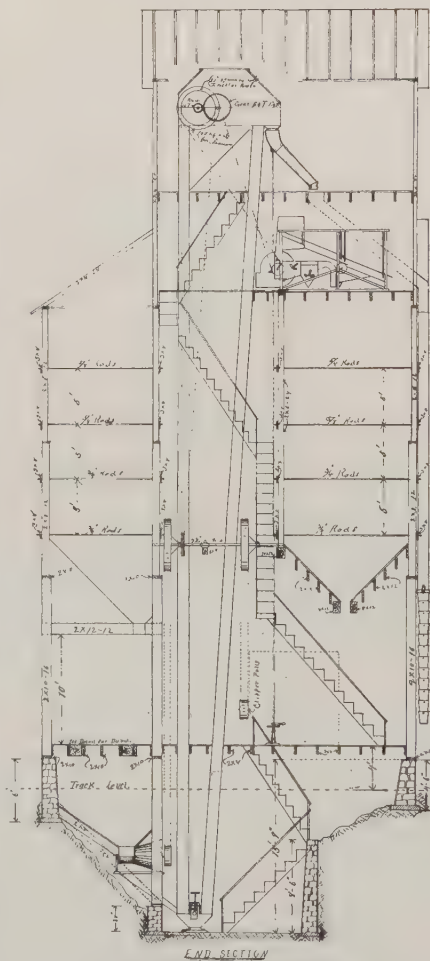
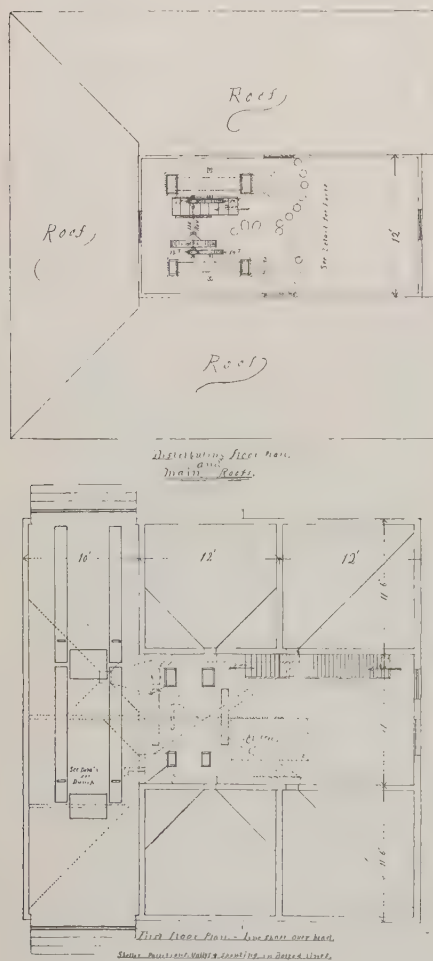
work during the two years of organization.

Altho the associations have done much to help the regular dealers, new troubles will come up and need your attention.

An effort is being made to get more grain dealers in the state legislature, in hope of securing needed legislation. An amendment to the landlord and tenant law is needed to require landlords to record their liens on the tenant's grain about the first of March. A committee of the state association is at work on a plan to provide mutual insurance.

Mr. Tinkham moved that when we adjourn, we adjourn to meet in Van Wert, O., May 22.

S. B. Sampson, secretary of the Indiana Association, was called for and said: I think your association is holding together well and I am confident you will



A WELL ARRANGED 30,000 BUSHEL ELEVATOR.

large capacity are provided, one for each dump. All bins have hopper bottoms and the grain is carried by gravity to elevator boots from all without trouble.

The elevators have self-contained heads, provided with special ball and socket bracket boxes for carrying the head shaft and pinion shaft. The pinion shaft carries the friction clutches for both elevators and corn cleaner and is operated from the working floor.

One of the most important features of this elevator is the aspirator boots. These practically clean the grain as it flows from the dump to the boot. Thus in most cases saving time and power required to elevate a second time for cleaning. This boot is provided with a positive or force feed which can be regulated to suit any

Secretary Menno Yaggy read the minutes of the preceding meeting, which were approved.

The members paid their dues. J. L. Doering, Antwerp, O., expressed a willingness to refrain from loaning sacks if competitors will do likewise. "We have no sacks and I do not wish to buy any."

Others who had been compelled by competition to loan sacks expressed a desire to desist.

The secretary was instructed to send bills to non-members at \$1.00 per quarter for postals sent them.

Senator E. H. Wolcott, president of the Indiana Grain Dealers Association, was called for and addressed the members on the benefits derived from the association

make a great mistake unless you take a decided stand on this sack question.

I have an agreement which a number of dealers in other parts of the state have signed and stopped lending bags.

A committee of the state association is now at work on the mutual insurance problem and will report at the mid-summer meeting in Indianapolis, June 25. I hope all of you will be there. The state association is growing and we are gaining new members and learning of new troubles daily.

Rice amounting to 394,380 pounds was exported during the eight months prior to Mar. 1, 1902. During the corresponding period of the previous year, 936,813 pounds was exported.



### A New Concrete Elevator.

A concrete elevator under the Heidenreich patent has just been completed in South Chicago, for the Illinois Steel Company. Being designed for storing and sacking cement, the construction is unusually heavy, one cubic foot of cement weighing nearly twice as much as a cubic foot of wheat. Owing to the treacherous action of cement in wedging itself and then suddenly collapsing, the bins were calculated as though they were to be filled with a liquid of a specific gravity equal to that of cement, or in other words, the construction is about 50 per cent. heavier than required for holding water instead of cement. There are four circular tanks placed in cluster form, so as to form one tank in the center.

The cement is received from the mill through a conveyor, dumped into a receiving hopper and elevated in the tower to the top conveyor, from which it is spouted to the bins. So as to counteract the wedging tendency of the cement, the bin hoppers are reversed, discharging toward the circular bin walls, instead of towards the center.

The elevator is an up house, standing on columns of steel rails imbedded in concrete. The foundation is built in the usual Monier style with a net of tension rods near the bottom of the concrete layer.

The bin walls, which for reasons before stated, are exceptionally heavy, are 7 inches thick at the bottom and 5 inches thick at the top, and have a Monier roof 2 inches thick.

The tower is a steel skeleton covered with Heidenreich-Monier roofing and siding plates. These plates are 2 feet wide and 5 feet long,  $\frac{5}{8}$ -inch thick and interlocked around the edges, so as to be waterproof. These plates are now replacing the corrugated iron roofs and sides of a large number of buildings for manufacturing establishments, where oxidation and influence from gas fumes make

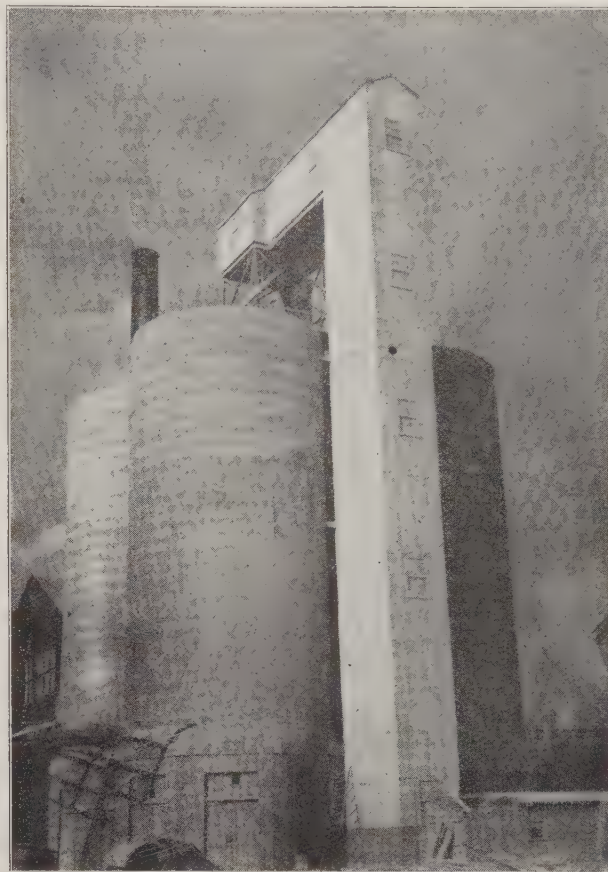
frequent repairs of the usual iron covering necessary.

Our illustrations show cross and horizontal sections as well as a photograph of the finished structure.

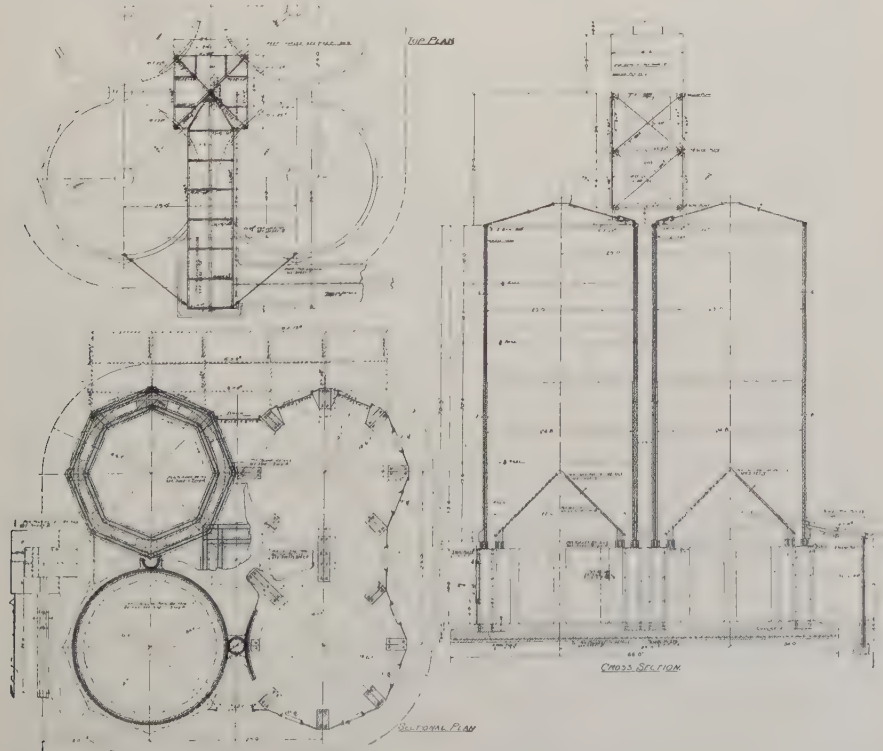
The construction is the first of its kind, being built as an up house, and like

every cluster tank construction in cement, is protected by a United States patent. It goes without saying that it is fireproof and waterproof, in fact it is indestructible.

The detail construction of bin walls and hoppers consists of an electrically welded fabric of No. 9 wire to which are



NEW CONCRETE ELEVATOR AT CHICAGO.



PLAN, TOP AND CROSS SECTIONS OF NEW CONCRETE ELEVATOR.

fastened every four inches virtually an iron rod encircling the bin. These rods are one inch in diameter at the bottom and  $\frac{3}{8}$  inch diameter at the top of the bin. In addition connecting rods run from one bin to another at the intersection. All these rods are buried in or plastered with Portland cement mortar in proportion of one cement to three of sand. The girder construction supporting the bins above the columns is constructed in the same manner under the Monier system.

Shippers will guard their interests best by cleaning all oats intended for the Chicago market to insure their grading No. 2 or No. 2 white. The proposition to eliminate No. 2 mixed oats as a contract grade, has met with strong protests from dealers tributary to this market. The percentage of mixed oats in the arrivals has been smaller this year than usual, because of the extraordinary demand from the south and southwest.—Pope & Eckhardt Co.

You do not have to be told, that owing to the crop being short last year, many dealers got very much excited and wanted to buy all the grain in sight, without regard to price, and it is hard to tell what might have been the result with many had not our farmer friends dreamed about 60c. oats and \$1 corn and refused to sell at any price. That farmer's idea has been the salvation of many a grain man.—Secretary H. C. Mowry, Forsyth, Ill.



## Annual Meeting of Nebraska Grain Dealers

President Geo. S. Hayes called the annual meeting of the Nebraska Grain Dealers Association to order in the ball room of the Millard Hotel, Omaha, at 10:20 a. m., April 30, and said: Inasmuch as we have a long program we must get started. We will hear the minutes of the last meeting and of the meeting of the governing committee.

Secretary A. H. Bewsher read the minutes and announced another meeting of the governing committee at noon.

The minutes were approved.

The secretary distributed blank forms for crop reports.

President Hayes: The object of this meeting is to elect officers for the ensuing year and it will be in order to select a member of the nominating committee from each of the seven roads of the state.

The following were selected: O. A. Cooper, Burlington; F. P. Lint, Missouri Pacific; W. H. Chambers, M. & O.; Mr. Hynes, St. J. & G. I.; Mr. Steinmyer, C., R. I. & P.; N. B. Updike, Elkhorn; G. W. Warner, U. P. R. R.

Treasurer Bewsher read his report, which follows:

### TREASURER'S REPORT—1901-1902. RECEIPTS.

Balance on hand April 1, 1901.....	\$1,525.87
Dues and fees.....	4,085.90
Interest on \$1,000 at 2 per cent.....	20.00
Advertising.....	\$239.50
Less cost of publication.....	82.50

Profit .....	157.00
	\$5,788.77

### DISBURSEMENTS.

Office rent .....	\$ 137.50
Office supplies .....	50.47
Printing .....	88.50
Collection charges .....	18.00
Governing Committee expense.....	11.30
Telephone and telegraph.....	117.59
Postage .....	257.72
Stenographer's salary .....	538.80
Secretary's traveling expense.....	294.94
Secretary's salary .....	2,400.00
Balance on hand April 1, 1902.....	1,873.95

	\$5,788.77
Dues outstanding April 1, 1902.....	43.50
Advertising account unpaid, J. D. Birky .....	10.00

The treasurer's report was accepted as read.

President Hayes: As all know Secretary Bewsher made an effort to have an excursion South immediately following this meeting, but it was taken up so late as to prevent its being carried out, a number would like to take this trip and we should discuss it here to-day. A committee should be appointed to canvass the members.

Secretary Bewsher: I sent out letters; eighty favored the excursion. This represented a party of 137. I did enough work on the excursion to convince me that it is too much work for one man. We should have a committee of three. I am willing to be one of three and do my share of the hustling.

Expressions from a number of members were given, mostly favorable to an excursion.

Mr. Warner: I move that a committee of three be appointed to take up the matter of an excursion and carry it out.

The motion was carried.

Secretary Bewsher suggested that they go as the Scrappers' Union.

President Hayes: All know what has been done in the matter of insurance rates

and it has been suggested that we discuss co-operative insurance. I will call for Mr. Lint.

F. P. Lint: I have investigated this a little and discussed it with several members who are anxious to see something done to get cheaper insurance.

Several dealers favored the organization of a mutual company.

Secretary Bewsher read correspondence from the insurance commissioner and Secretary Barnum of the Millers National Insurance Co., of Chicago.

Mr. Warner: How much would we save by the organization of a mutual company as compared with what we now pay the Millers National Insurance Co.

Mr. Cooper: Is the question, How much would we save by organizing as a mutual company? Well, we had an elevator mutual once and we came near saving nothing. I have been insured in the Millers National Insurance Co. for fifteen years and it has cost me about one-half stock company rates. They have paid one loss. I did not have any trouble getting my money.

Mr. Holmquist: I have not had any mutual grain insurance, but I have had lumber insurance. The Northwestern Lumbermens Mutual takes \$3,000 on a yard and it has cost about 38 per cent. of stock company rates. Last winter the company organized virtually another company, known as series B, to carry an additional \$3,000 on each yard. As yet we cannot tell what it will cost.

W. H. Chambers: I have been interested in this subject of mutual insurance for a number of years and have been a policy holder in the Millers National Insurance Co. and doubt not it would be well to select a committee to investigate this subject. I am convinced that the reliability of the mutual companies increases with the quantity of insurance carried.

I move that a committee of three be appointed to investigate the subject of mutual insurance thoroughly and report to the members.

The motion was seconded by Mr. Barber and carried.

President Hayes: If we had a good warehouse law we could borrow money at a lower rate and without giving a chattel mortgage.

C. W. McConaughy: I move that we appoint a committee of three to investigate the present warehouse law and have it amended so as to make it easier to borrow money.

Secretary Bewsher: It is proposed that we collect reports of stocks of grain on hand and give the aggregate to members who contribute to the reports.

Mr. Fowler: We have been getting the Iowa reports for three months and are well pleased with them. We get a comparison of one month with another and find it quite interesting.

W. S. Washer: I move that we collect and distribute these reports. If the Secretary prefers I will withdraw my motion. I wish that during the interim the members would consider this matter. Old Hutch said it is not the visible supply that makes the trouble, but the d—d invisible. If we get these reports we will know something about this invisible.

Mr. McGrew of the Omaha National Bank was introduced and spoke of the

Nebraska warehouse law. He said: As you no doubt know, the rate of interest is governed largely by the character of the security. Government bonds have sold during the last year at a figure which will insure only about one per cent. If you will change the state warehouse law so we can loan money on grain with absolute safety I can get you \$100,000,000 at 5 per cent. You can get money as cheaply as a borrower with the best collateral on Wall Street.

Our Supreme Court have never construed our warehouse law, hence we are not certain that the man with a certificate held as collateral is absolutely safe from other creditors.

We have a session of the legislature next winter and I think it will benefit you greatly if you will appoint a committee and employ competent counsel to draft the needed changes in our warehouse law. It will save you interest and profit you more than anything you can do.

C. W. McConaughy: I move that a committee of three be appointed to employ legal counsel to draft the needed warehouse law.

Seconded and carried.

F. P. Lint: I want to suggest that the grain dealers put politics aside and elect some grain dealers to the legislature this fall.

Adjourned to 1:30.

### Afternoon Session.

President Hayes called the afternoon session to order at 2 p. m. and asked for the secretary's report.

Secretary Bewsher read his annual report, from which we take the following:

### SECRETARY'S REPORT.

I take pleasure in submitting this, the Fourth Annual Report, of this Association. In doing so I feel justified in prefacing my remarks with a short review of the season just past. When the extent of damage occasioned by last summer's drouth was realized, the dealers saw not only the probabilities of a normal profit vanish, but also the approach of a fear that some dealer prompted by selfishness would in his attempt to get more than his just share of what was left, dissipate whatever possibility of profit there might be in sight. It is consequently a pleasure to note at this time, that with two-thirds of last crop's season past, the trade has been and is generally harmonious, in fact there is less strife and contention than is usual during a normal crop period. Heretofore, a short crop was usually a trouble breeder, and would too often take on the appearance of the "survival of the fittest," as far as the grain dealers were concerned. I am very pleased to report, that during the past year, this selfish and consequently demoralizing practice, gave way to the more reasonable idea of securing the greatest reasonable profit, and I think results have proved to the entire satisfaction of all, the greater benefit in the latter course.

CROP FAILURES.—Through the failure of crops in the neighboring states, new markets were opened up for the Nebraska surplus, this brought new bidders into the field, and furnished an outlet never before sought by some dealers in the state. Heretofore, Nebraska's surplus grain has gone either East or West, largely East; this year it has been sent broadcast, North, South, East and West. These many markets made in many instances, widely differing bids, yet I believe it can be truthfully said of the country, that notwithstanding the unequal and unnatural conditions, prices on the different lines of roads, and in the different competitive towns, have held reasonably even, and at the same time doing justice to both the farmer and the shipper.

COMPLAINTS.—Among the many complaints filed with me during the past year, have been a few against dealers or members of this association, defaulting contracts or refusing to pay balance due. I am glad to state, however, that in almost every instance these matters have been adjusted amicably by me or directly between the parties interested through my influence. There was one exception, however, and at this writing this is still unfinished business



of the Governing Committee. They will no doubt reach conclusions and report of the matter be made by you through the report of the Governing Committee meetings. This is a case of defaulted contract pure and simple, all parties to the contract are members of the association. Along this line, I would respectfully call your attention to the absolute necessity of dealers treating fairly with those with whom they do business, if they expect to be treated fairly in return. It makes no difference whether that party be a receiver or another country dealer.

As a rule, I am proud to say that the Nebraska dealers' reputation for straightforwardness and honesty is above the average, but like every large body of this kind, there are a few creep in who are not always the most desirable material. This organization is maintained for the purpose of promoting the best interests of the trade and improving conditions. It is therefore our duty when we find a member of this association not fairly disposed, one who cannot distinguish trickery from shrewdness, or one who believes arbitrary selfishness to be good business principles, it is our duty, I believe, to see that they are not long associated with us as members. It is not the intention to take advantage of any fairly disposed member or members, we have an arbitration committee, fair in its make up, and one that I am sure will be neither prejudiced nor personal in its findings, that any member of this association can appeal to when he feels aggrieved, but having exhausted that form of appeal and not being willing to abide by the decision of that committee, brands him, in my opinion, as not being fairly disposed, and no longer entitled to membership in this association.

**LITIGATION**—It is with pleasure that I inform you that the action brought by the Attorney General of the state of Nebraska against this organization during August, 1899, was on November 2, 1901, dismissed at the request of the County Attorney of Douglas county.

**MEMBERSHIP**—During the past year there has been no persistent or systematic effort made to secure new members, owing to the light crop. I considered it more available in view of the circumstances, to give non-members a rest from importunities of this kind, believing that with the coming of a normal crop, our solicitation for members would meet with better returns. Notwithstanding this, we have listed with us 276 members, representing 675 elevators. There were a few withdrawals, owing to the partial or total failure of crops in some sections; because of the retirement from business of others, and a few suspended for non-payment of dues, as follows: Sold out, 25 members, representing 25 elevators; resigned on account of crop failure, 9 members, representing 18 elevators; resigned for all other causes, 4 members, representing 4 elevators; suspended for non-payment of dues, 8 members, representing 9 elevators, a total of all withdrawals and suspensions, of 46 members representing 56 elevators. We acquired voluntary applications from 23 firms, representing 56 elevators. There were other applications for membership transferred from parties selling out, to the buyer which gives an elevator representation larger than that of one year ago. Many of these who have withdrawn during the past year will, no doubt, return when there is a crop in sight. With the assistance of the present membership we should be able to enroll at least 50 per cent of the non-member dealers. This branch of the work I find sadly neglected by members of this association. No doubt they think it the sole duty of the secretary to solicit members. He does wherever possible, but many of you are neighbors or friends of those who are not members and naturally would have a greater influence with them than I, who, at best, can in many instances only claim an acquaintanceship. A little solicitation on your part would help out in this direction, and in this effort you are advancing your own cause more than any one's else.

**FINANCES**—You will note from the accompanying report of the Treasurer that this branch of the work is in a most healthy and prosperous condition. There was on hand at the end of our fiscal year a balance of \$1,873.95, an increase in our surplus for the year just ending of \$348.00. The amount of dues outstanding at the same date was \$43.50, some of which has been paid since. There is also an account for advertising due the association of \$10.00, making total outstanding of \$43.50. There is owed by the association three small bills amounting to less than \$15.00, giving us total net assets, without considering the office furniture and fixtures, of about \$1,910.00, and without in any way ap-

pearing egotistical, I think this statement is one of which we may well feel proud, for it is hardly equaled by that of any other association in the country having an equally low rate of dues.

**CLAIMS**—As the association grows older the number of claims grow less. This is at it should be. There are a number of unimportant complaints filed, however, that consume as much time as aggravated claims, but are complaints that cannot be properly listed as claims, hence do not appear in the records. There are also many complaints filed by members that could be far more speedily and satisfactorily adjusted between the members themselves if they would just show a little more friendliness one for the other. At the initial meeting of this association it was outlined that trouble between local dealers was to be filed with the Secretary, only after the dealers themselves had exhausted their persuasive powers. A great many are carrying out this original intention of the association; there are a number, however, who make no effort whatever in their own behalf, but file complaints indiscriminately, often groundless ones, against their neighbor, who, when seeing himself falsely accused, naturally becomes irritated, and with the result that very often a step backward in an adjustment has been made. Frequent and friendly intercourse is the keynote to harmony; frankness with a confidence in one another will preserve it. It is not my wish to shirk work. During a hard year, there are times when it seems wholly impossible for me to handle all matters filed. I speak of this so as to facilitate the handling of the important work in the Secretary's office. Groundless complaints take just as much time to verify as valid ones, and the time consumed in running them down is, as you know, wasted.

**LOCAL MEETINGS**—During the past year there have been fewer district meetings than any year since my assuming charge of the office. This was principally because it was considered unwise and unnecessary to hold these meetings when there was little if anything to meet over. It has been generally understood, I believe, that your Secretary has been ready and willing at all times to call meetings where they were necessary and desirable. The apparent indifference to these meetings displayed by this office is no indication that it is the intention to discontinue them. On the contrary, preceding the beginning of movement of the next wheat crop these division meetings will be revived and held regularly as heretofore. In the meantime I hope that it is understood that where there is a conflict prevailing these meetings will be called, if the members will only make their wants known.

**BULLETINS**—In accordance with the usual custom, there was issued during the year six general or confidential bulletins, and two crop reports. As these are necessary to keep the dealer in touch with the work as it progresses and to impart such information as might prove of interest, they will be continued in the future, perhaps even more liberally than in the past.

**STORAGE**—The practice of storing grain for farmers is, generally speaking, fast becoming a matter of ancient history in Nebraska. It is difficult to find a dealer who is offering storage, either free or for compensation, there are one or two in the state, however, who have weathered all argument against this practice, that still continue to store. Occasionally during the past year I have had reported to me dealers storing, caused no doubt by their restlessness in doing no business, and who hoped to induce a little movement by this means. I think all will agree with me in condemning such action as being unfair.

**WRITTEN CONTRACTS**—I realize that this subject as well as the preceding one has become somewhat "moss grown" as subjects for my annual report, but it is my opinion that both are worthy of repetition. Believing so, they have been brought up at every meeting held by me, and will be continually called up at every meeting until thoroughly introduced and tested by the members of this association. Both have the recommendation of being good business methods, as is evidenced by every other association in the country following us in urging their members to introduce them, and while I believe we have advanced beyond our neighbors in these respects, I yet regret to state that the written contract subject is not receiving the attention it should. There is a time when all realize the value of a written contract; it is for that time that you must begin to take them now, and take them continually. You cannot exact a contract to-day, be less lenient to-morrow, and expect to exact a contract the day following, with very good grace, or without opposition to your request.

**SCALES**—In one division of this association we now have working a scale expert. Some 14 or 15 dealers some time ago requested me to employ for them an expert who could go from station to station doing whatever work necessary, and when he returned the dealers for whom he did work to pro-rate the cost. The idea embodied in this is a good one for other members of this association to take advantage of. As a rule country scales receive too little attention, owing to the great expense incident to getting an expert into the country, having the work done, and returning him to where he came from. If a half-dozen or more dealers closely situated would club together, have their work done the same trip, each one's share of the expense would fall but lightly upon him, and the same party who is now doing work for these others could look after the work of all. I have secured a rate from this expert less than the usual rate, for the benefit of the association members; if there are others wishing the services of this man, and will let me know, I will try and secure a number in your neighborhood, so as to bring the cost down to a minimum.

**SHORT WEIGHTS**—In one of my recent bulletins, seeing the possibility of perhaps frequent short weights, owing to the peddling nature of the trade this year, I proposed to issue a monthly bulletin to be known as a short weight bulletin, using only such country weights as were carefully taken and giving in this bulletin names of shipper, his weights, his manner of weighing, the name of receiver, the elevator where unloaded, their weights and whatever shortage. It was not the intention to list any but shortages unreasonable or over three-quarters of one per cent or one per cent. This proposed bulletin failed because of the lack of co-operation on the part of members; in all, I received less than one-half dozen complaints of short weights, and as some of these were not available for this bulletin, I passed the matter. Now, in my opinion, there is no quicker or more effective way in putting an end to habitual and perpetual short weights at any one elevator than by advertising them to those from whom they expect to receive shipments. With this bulletin filed convenient for frequent reference, any member of this association could have noted from month to month where frequent shortages were occurring, and if he cared to, instruct his receiver to see that none of his grain was unloaded through that particular elevator. Now I believe that I failed to receive co-operation in this respect, only because the dealers did not understand the nature of this proposed bulletin. I would like very much to have it discussed here and secure an expression in this matter.

**AMENDMENTS TO BY-LAWS**—For the purpose of making our by-laws more explicit, I would suggest a change in section 3, article 4, of our by-laws, which now reads as follows: "Total amount of dues and assessments combined shall not exceed \$12.00 in any one fiscal year." This is the plan under which we are now operating, and have operated since the reorganization of the association. This section should read, so as to prevent any misunderstanding in the future, as follows: "The total amount of dues and assessments combined shall not exceed \$12.00 per station in any one fiscal year." It is evident that it was the intention of the framers of the original by-laws that this should read "per station," but the words were evidently overlooked or lost in the printing, and as the section now reads, it is in conflict with section 3, article 5, of our constitution.

I would also suggest change to section 1 or article 9 of our by-laws, which now reads: "No person shall be allowed at any meeting of the association or governing board, unless a member in good standing, except as witness in case of trial." There are times when it is highly desirable to have present at either regular or local meetings regular dealers not members of the association, and in the past your Secretary has assumed the authority of inviting such dealers, knowing their co-operation to be necessary to promote harmony in the section in which they operated. In order to furnish more latitude in this respect, I would suggest that this section be changed to read: "No person shall be allowed at any meeting of the association or governing board unless a member in good standing, except as witness in case of trial, or on invitation properly signed by either the President or the Secretary of this association."

**EXCURSION**—You are aware of the attempt made by me, prompted by suggestions of many members, to organize and undertake an excursion for the pleasure of the members of this association, their wives and friends. The initial correspondence in



this respect was started late; I consequently asked for a prompt reply bearing on the subject, but the delay in securing these replies, together with the delay met with in negotiating with the railroads, preventing our making the trip at a comfortable season, considering the direction for which preference was shown, namely, Galveston or New Orleans, as owing to the amount of work incidental to this trip, we could not have left here before the latter part of May, and I found upon inquiry that at that season the heat would more than likely be too oppressive for the comfort and enjoyment of the party. From the interest shown, even though it was slow in asserting itself, it is evident that something of the kind is desired by the members of this association. As a result of my preliminary effort there was almost a sufficient number pledged to bring the expenses of the trip down to a minimum; for this reason I believe this matter worthy of your attention, and if after thoroughly canvassing it, you decide that a trip in the future is desired, that you will appoint a committee of arrangements of three or five members to take sole charge of the matter, as I find the amount of labor and responsibility involved too much for one person to assume.

**INSURANCE**—I have also had it suggested to me that this meeting take up and discuss the question of insurance rates.

**WAREHOUSE LAW**—Another suggestion made, was with reference to a more liberal warehouse law, whereby the dealers in the country would be able to borrow money where necessary on their individual warehouse receipts, from banks in the large cities of the states at a lower rate of interest. As I understand it, the present laws do not give sufficient security to these banks to justify them in making as low a rate of interest as they would like.

**MONTHLY STATEMENTS OF STOCKS**—It has also been suggested that this association issue a monthly statement showing stocks of grain on hand in the country, held by the members. As I understand it, one state association is now issuing such a report and it is adding much to the fund of information of value to country dealers in making trades. The plan pursued is to send out an inquiry, list the replies received, and disseminate all information secured through these means only amongst those who supply it. In other words, if Jno. Smith contributes toward the fund of information, he receives a copy of the statement, showing the amount of grain being carried by those who have reported; if his neighbor, Jno. Jones, does not contribute toward these bulletins, he receives no copy of it. The bulletin, as I understand it, is confined solely to the members who contribute toward its completion.

**SESSIONS OF LEGISLATURE**—Before another annual meeting of this association is held the session of the state legislature will have met and adjourned. The last session of this body demonstrated the necessity of some one being delegated to read the journals daily of both houses, to discover any unjust legislation aimed at the grain dealers' interests. This is a task more continuous than laborious, and because of its nature the frequent necessity of my being absent in the state would prevent me from giving the matter the careful attention that it deserves. I therefore call your attention to this, so that you may decide whether or not the matter is of sufficient importance to merit your consideration. I also note that the grocers, who recently organized, have or will appoint a legislative committee for the purpose of passing through the legislature a bill imposing a special license on peddlers who attempt to do business in the small towns throughout the state; what these peddlers are to the grocer the scalper is to the grain trade, and possibly if anything along this line was attempted, and with co-operation from us, a clause might be inserted in this bill extending this license to affect the grain scalper. My source of information of this contemplated action of the grocers was the Omaha Bee on March 15th.

All of these later recommendations I have not extended upon, for the reason that the parties suggesting them are probably present and can explain the advisability of our acting upon them, in their own behalf.

Before concluding, I would call your attention to the very valuable assistance rendered us in our work during the past year by practically all the railroad companies in the state. There have been instances where your association could have done little if anything, but for the timely assistance of the officials of these roads. There is not one of them to-day who is not interested in our work, and interested in the individual dealer to a greater extent than ever before, for this influence and consideration I believe them justly entitled to our hearty thanks.

**ASSISTANCE BY MEMBERS**—I also wish to thank the members for the able assistance rendered me during the past year. With very few exceptions I feel that I have had the co-operation of the majority in bringing about a condition in which all have to some degree been benefited. The work accomplished by your organization must come from you. Your interest, your enthusiasm, is absolutely necessary before anything can be accomplished. Your officers would be utterly powerless without your co-operation. As our financial statement shows you, all have been reasonably prompt in responding to due notices. A continuation of this interest, enthusiasm and promptness can accomplish much for you.

I thank you in behalf of the rest of the officers, as well as myself, for the consideration shown us during the year.

The secretary's report was adopted.

Article III, Sec. 4, was amended, likewise Art. I, Sec. 9, suggested by the secretary.

President Hayes asked for a discussion of the practice of members bidding scalp-ers.

Mr. Levering: Better shoot the scalp-ers. Members should not do any business with them.

President Hayes: I have in mind a man, who formerly was a member of this association. He encouraged scalp-ers by buying their grain every time they started to load a car. He taught them how to hold them up for two or three cents a bushel.

Mr. Hobbs: I think it unwise to make a hard and fast rule on this matter. Let the member at each station deal with the scalper at his station. If they commit any infraction of trade rules, it rests with the governing committee to rectify. If they cannot do that we can select a new committee.

Frank Fowler: I move that it is against the rules of this association for any member to buy grain from a scalper at any station where such member is not in business. But the local dealer or dealers shall have the right to buy grain from such scalper at that point if they deem it advisable. Any violation of this rule shall subject such offender to discipline by the Governing Board.

President Hayes: I will now appoint the committee provided for by this morning's session.

Committee on warehouse law: C. W. McConaughy, Holdrege; F. D. Levering, Lincoln; A. H. Bewsher, secretary.

Committee on excursion: Chairman, J. W. Holmquist, Oakland; F. P. Lint, Atchison; A. H. Bewsher, secretary.

Committee on legislation: Chairman, T. D. Worrell, Lincoln; M. Steinmeyer, and Wm. Trompen.

Committee on insurance: O. A. Cooper, Humboldt; A. H. Bewsher, Omaha; Geo. S. Hayes, Hastings, chairman.

President Hayes: I have made Mr. Bewsher secretary of each of the committees on which he is a member.

President Hayes called for D. Hunter, president of Grain Dealers Union, Hamburg, Ia.

D. Hunter: I did not come here to talk but as a visitor. I am glad to see the success with which you are meeting. The association of which I am a member was the first to organize west of the Mississippi river. We met with many discouragements, but we finally won out. Nebraska dealers tried to organize and after a few meetings interest began to wane. If those associations had not won out the trade would not have any organizations west of the Mississippi river. In Illinois they had long had an association, but up to that time it had not done much effective work.

I am glad to know of the success of

this association. It would grieve me greatly to know that any association was not meeting with success.

I do not know whether you have discussed the National Association here to-day. A strained feeling seems to exist between some of the members of the Nebraska Association and some of the officers of the National Association, brought about as I believe by imaginary slights. I cannot understand what reason there can be for it, hence cannot help believing it is all imaginary. I am very close to the officers and to many members of the National, yet I have never heard expressions of any but the kindest feeling toward the Nebraska Association. I understand that the apparent unfriendly feeling last year was caused by the report that some one was credited with saying that, "If the Nebraska Association does not come in, it will be forced in."

Any remark of that kind was not official and no doubt its importance was greatly magnified. I do not know whether you have discussed the National Association to-day, but I want to assure you that the members of the National Association and its officers have only the kindest feeling toward the Nebraska Association and I hope that during the coming year you will consider favorably the matter of affiliating.

I only hope that your feeling toward the National and its officers are as friendly as the feeling of the officers and members of the National are towards the Nebraska Association.

Mr. Lawless: I move that committee be appointed to draft resolutions of respect regarding the death of Mr. Morton. The motion was carried and President Hayes appointed the following: F. Fowler, P. S. Heacock, Mr. Brenner.

W. S. Washer: I feel certain that monthly reports of stocks on hand by members would prove invaluable. The reports should be supplied only to those furnishing information. I move you, sir, that we make an effort to collate and issue the reports of stocks on hand monthly. Carried without opposition.

W. H. Chambers suggested that the reports be given freely to the public.

President Hayes: The value of these reports will soon show itself.

Mr. Chambers of the nominating committee reported the following nominations: For President, Geo. S. Hayes of Hastings; Vice-President, E. C. Jones of Nebraska City; Secretary-Treasurer, A. H. Bewsher, Omaha; Governing Committee: J. W. Holmquist, Oakland; W. E. Kinsella, Omaha, and T. D. Worrell of Lincoln.

The report of the committee was adopted without opposition.

W. H. Chambers, ex-secretary of the association, was called for and declined until pressed repeatedly to address the dealers. Mr. Chambers said: I do not want to bore you. I have nothing to say other than the same old story. The dealer who to-day takes an inventory and compares it with one five years old, will find that his elevator is worth more than then despite its natural depreciation. This condition is due to the organized trade, to which you contribute.

The association movement started in 1896. It has progressed very successfully and I think it is now time the work be conducted along conservative lines.

Mr. Fowler of the committee on resolution presented the following, which was adopted, ordered spread on the minutes and a copy sent to the family:



WHEREAS, J. Sterling Morton, after a long and active life devoted to the advancement of his chosen state and largely along the lines of the cereal and grain interests, the period of his life being concurrent with the making of our state's history, has been called to his maker in the zenith of his usefulness. Now, therefore, be it

Resolved, That in his death the state and nation has lost one of their foremost and most useful citizens; and be it further

Resolved, That we express our grief and sorrow at his death and tender our heartfelt sympathy to the members of his family in their bereavement.

An attempt to discuss local troubles was thwarted by a motion to adjourn, which was carried.

### Convention Echoes.

The Grain Dealers Journal was there. One man from New York, W. H. Kemp of Milmine, Bodman & Co.

Most of the dealers were hollering for rain and some wore bulls.

Floyd J. Campbell Co. furnished continuous market quotations, which were posted.

I never made a hedge in my life that I did not lose money.—D. Hunter, Hamburg, Ia.

One machinery man, W. E. Nutt, who exhibited a working model of the Hale distributor.

G. H. Davis of the Ernst-Davis Grain Co., Kansas City, distributed lead pencils among his friends and patrons.

Kansas was represented by F. P. Lint of Atchison; W. S. Washer of Leavenworth, and B. D. Williams of Highlands.

The Minneapolis firms represented were Peavey Elevator Co., by W. H. Chambers; and A. H. Wood, and A. F. Brenner.

Mr. Cooper exhibited a working model of an unpatented dump which attracted considerable attention and created no end of merriment.

The Kansas City firms represented were Ernst-Davis Grain Co., by G. H. Davis; W. E. Croysdale & Sons, by D. L. Croysdale, and Kemper Grain Co., by F. A. Gritzner.

Secretary Bewsher knows how to get along with the newspaper reporters. He goes out of his way to give them information. They get a good story and are satisfied.

The Chicago houses represented included Armour Grain Co., by Geo. H. Lyons; Great Western Cereal Co., by Jas. P. McKenzie, and McReynolds & Co., by E. E. Clancy.

T. D. Worrell of Lincoln was unable to attend the meeting, being detained at home by the serious condition of his mother, who had her leg broken a short time before. Blood poisoning set in and it became necessary to amputate the limb. Mrs. Worrell being well along in years her life was spared of.

Among the dealers present were J. W. Anderson, Stromsburg; J. W. Bailey, Brock; W. B. Banning, Union; H. O. Barber, Lincoln; W. T. Barstow, Lincoln; C. Bengen, Mynard; O. L. Brown, Chester; Wm. Bruce, Bertrand; O. A. Cooper, Humbolt; Geo. Coryell, Talmage; L. L. Coryell, Brock; P. D. Coryell, Plainview; J. M. Elwell, Springfield; F. Fowler, Fremont; J. P. Gibbons, Kearney; W. F. Gillispie, Mynard; Geo. S. Hayes, Hastings; P. S. Hecock, Falls City; J. W. Hiler, Edgar; J. W. Howard, Cook; J. W. Holmquist, Oakland; W. J. Hynes, Hastings; J. P. Hobbs, Holdrege; A. B. Jaquith, Omaha; A. L. Johnson, Crete; T. F. Keckler, Manley; C. W. Lawless, Nebraska City; F. D. Levering, Lincoln; J. A. Linderholm, Blair; C. M. Linn, Humboldt; C. W. McConaugh, Holdrege; M. McSwinney; J. C. Maust, Falls

City; Geo. F. Milbourn, Minden; W. C. Moore, Ohio; K. C. Moorehouse, Omaha; E. F. Peck, Cedar Bluffs; C. J. Railsback, Ashland; A. A. Roberts, Cook; Geo. S. Smith, Burr; T. L. Stewart, Palmyra; J. D. Taylor, Holdrege; E. J. Tucky, Howe; R. Unzicker, Milford; N. B. Updike, Omaha; G. W. Warner, Pickeral; Joe Windle, Salem.

## GRAIN CARRIERS.

Lake rates on wheat to Buffalo are  $1\frac{1}{2}$  cents from Duluth and  $1\frac{1}{4}$  cents from Chicago.

Cars are very short at Buffalo. What will be the condition of affairs when the real demand for cars sets in next fall?

The tug strike has tied up Cleveland, Chicago and Buffalo. The Great Lakes Towing Co. is not trying to fill the men's places.

When the rate on wheat was reduced from 52 to 40 cents a scramble ensued among Utah millers to ship in full stocks before the 30 days expired.

The Interstate Commerce Commission recently held a meeting at St. Louis, Mo., to take evidence of discrimination in rates on grain and grain products.



M. A. GREER.

Since the courts recently enjoined the railroads from making secret rebates it is significant that most of the changes in freight rates have been reductions.

Contracts have been let for the building of two ferries with a capacity of 30 cars each, to ply between Manistique and Northport, Mich., as a link in the Manistique, Marquette & Northern Railroad.

The steamer America, with 100,000 bushels of barley from Washburn for Chicago, went on the rocks April 26, and was not gotten off until 10,000 bushels had been jettisoned and much of the remainder damaged by water.

The Salina Mill & Elevator Co., Salina, Kan., has complained to the State Board of Railroad Commissioners that the Union Pacific and the Missouri Pacific Railroads will not accept freight at its depot, but compel loading direct into cars.

A flood of wheat is pouring into Buffalo from Fort William, Ont., far in excess of arrivals from all American ports put together. On account of water dam-

age part of several cargoes had to be thrown overboard, the value being less than the 25 cents duty.

J. G. Keith of Chicago and J. H. Boyle of Toronto, Ont., with other business men, recently conferred with the Board of Control at Toronto, with a view to obtaining terminal property for a line of steamers to be established as the Great Northern Railway & Transportation Co.

The mayor of Wichita, Kan., has brought suit against the railroads for their alleged discrimination in freight rates on grain and grain products. A committee of the Wichita Chamber of Commerce attended the recent Kansas City meeting of the Interstate Commerce Commission, and were advised to file their complaint at the St. Louis meeting.

The Twin Cities, Pierre & Black Hills Railroad Co. is a consolidation of the projected 300-mile line from Aberdeen to Rapid City, S. D., and the Rapid City, Missouri River and St. Paul. Much of the grading was done several years ago, and plans were only recently completed for the building of the road. The chief promoter is L. C. Twombly of St. Paul.

The St. Louis Valley Railroad, now nearing completion, is exciting comment among southern Illinois millers. Two elevators are being built along this line and it is stated twelve will be built between St. Louis and Cairo, Ill. Millers fear the new elevator system will make inroads on their wheat supplies.—Modern Miller.

The large glucose works at Peoria, Ill., were ordered closed April 28, because the Peoria & Pekin Union Railway, which has a monopoly of the terminal switching at that place, refuses to connect with the tracks of the Peoria & Pekin Terminal Co., a new company, which has been permitted to lay tracks on the glucose company's land, to overcome the discrimination of 50 cents per car against the glucose company by the old monopoly. To meet the demand for glucose the plants at Rockford and Pekin will be placed in operation.

### M. A. Greer.

M. A. Greer, the newly appointed traveling salesman for Indiana and Ohio for the Marseilles Manufacturing Company, whose picture is shown on this page, is a native of Iowa.

He is not only a mechanical engineer of more than ordinary ability, but an experienced operative stationary and locomotive engineer.

For many years he was superintendent of the machine shop of the E. H. Pease Manufacturing Company of Racine, Wis., prior to July, 1899, at which time the Marseilles Manufacturing Company bought the business of said Pease Company, removed and consolidated it with its factory at Marseilles, Ill.

Mr. Greer is thoroughly acquainted with all the mechanical details of modern grain elevator construction and is well known to a considerable portion of the grain dealers in eastern Illinois and Indiana, with whom he did business when traveling salesman there a few years ago for the Pease Mfg. Co.

He will be found a genial gentleman, with whom it will be a pleasure to do business, and he will look after the interests of his customers closely.

Mr. Greer will remove his family to Indianapolis which will be his headquarters and where the Marseilles Manufacturing Company will establish a branch office in the near future under his management.



# GRAIN TRADE NEWS.

## CANADA.

L. Hauck, formerly a grain dealer at Oil Springs, has again entered the trade at Dresden, Ont.

The Winnipeg Elevator Co. has nearly completed a 30,000-bushel elevator at Crystal City, Man.

Fire destroyed E. L. Hill & Co.'s elevator at Markdale, Ont., together with 1,600 bushels of grain.

The Lake of the Woods Milling Co. is building an elevator of 30,000 bushels capacity at McLean, Assa.

S. P. Clarke, prominent among grain men at Winnipeg, Man., was married recently to Miss May McCullough.

A bin of the Canadian Northern Elevator at Port Arthur, Ont., gave way May 2, dumping a quantity of wheat into the harbor.

The farmers have organized an elevator company at Franklin, Man., and will erect an elevator of 30,000 bushels capacity at that point.

F. W. Thompson, general manager of the Ogilvie Mills Co., of Montreal, while on his western trip, selected sites for twenty new elevators.

The Homewood Farmers Elevator Co. has been incorporated with \$6,000 capital stock, by A. Edward August, Geo. A. Bodie and other farmers of Bates, Man.

In one hour and fifteen minutes the Canadian Northern Elevator at Port Arthur, Ont., Apr. 21, loaded 50,000 bushels of grain into a steamer, breaking the record.

The Brackman-Ker Milling Co., of Edmonton and Vancouver, Can., has received the contract to furnish 230,000 bushels of sacked oats for the British army in South Africa.

James Playfair, general manager of the Midland Navigation Co., Midland, Ont., and others, propose to erect an elevator at Montreal, if the harbor commissioners will grant a site.

The Alexander Brown Milling & Elevator Co. has been incorporated at Toronto, with \$300,000 capital stock and will succeed the Citizens Milling Co. and the firm of Alexander Brown & Co.

The Ogilvie Mills Co. is planning to build about 25 elevators with an average capacity of 30,000 bushels, during the season; thus increasing the number of its elevators to 65 with a total capacity of 3,300,000 bushels.

The contract for one of the two elevators to be erected at Fort William, Ont., the 2,000,000-bushel house, has been let by the Canadian Pacific Railway to the Steel Storage & Elevator Construction Co., of Buffalo.

C. M. Hays, general manager of the Grand Trunk Railway, has written the Harbor Commissioners at Montreal that his company still desires to erect an elevator, and requesting that no lease of the elevator site be made until he has discussed the matter.

Elevators A and C at Fort William, Ont., were disabled Apr. 24 by the breaking of a cross head and the blowing out of the head of an engine cylinder. The accident has led the Canadian Pacific to consider the advisability of building a complete plant instead of a storage annex.

The Harbor Commissioners' new elevator at Montreal will be composed of 82 cylindrical bins of varying capacity set on a foundation of concrete rising 23 feet above ground and occupying 189x84 feet of ground space. In its grain handling equipment the new elevator will be modern to the hour.

E. McTavish of Lowe Farm, Man., writes that F. J. Defehs, L. Goldstein and Jacob Heppener contemplate building elevators this season at that place. At present the place has only one elevator, Body & Noakes, which last year handled 210,000 bushels of wheat, 50,000 through the elevator and the rest by cars. Mr. McTavish is buyer of flaxseed for Body & Noakes.

W. L. Parrish, secretary of the Northwestern Grain Dealers Association, has summarized reports received from 50 correspondents in all parts of Manitoba and the Northwest Territories, showing the state of farm work on May 1. The percentage of land ready for crop last fall was 40; land to be plowed this spring, 55; acreage of wheat this season, 95; of oats, 105; of barley, 110; and of flaxseed, 150. Wheat land seeded May 1, 26 per cent. Wheat in farmers' hands, 8,000,000 bushels, of which 4,000,000 will be required for seed. Heavy rains on May 1 and 3 delayed seeding, and had some effect in reducing the wheat acreage.

## CHICAGO.

Trades are being made in corn for May delivery, 1903.

Memberships in the Board of Trade are selling at \$3.575.

Linseed oil mill employes at Irondale have formed a union.

April receipts of grain at Chicago, 6,604 cars, were the smallest in 10 years.

A new harbor and elevator project for the Calumet district is said to be on foot.

S. B. Bowles, secretary of the Board of Trade Mutual Benefit Association, died recently.

Wm. G. Pope, of Pope & Eckhardt Co., has just returned from a three months' tour of Bahama Islands and Florida.

Jacob Spielman, of Spielman Bros., vinegar makers, and for many years a member of the Board of Trade, died May 2.

Michael Ryan's application for a rehearing has been denied by the directors of the Board of Trade. He was disciplined for his connection with A. R. Jones & Co.

Oats traders want a pit to themselves, instead of hanging on to the skirts of the corn crowd, whom they hope to outnumber since the contract grade has been changed.

John W. Gates has become a member of the Board of Trade. Since his connection with grain trade in the early 80's, Mr. Gates has amassed great wealth in the steel and iron industry.

The Mueller & Young Grain Co. has been incorporated with \$150,000 capital stock, to deal in grain. Incorporators: Major McGregor, Frederick E. Van Ammon and James G. Robertson.

R. E. Pratt, vice president of the Consolidated Hominy mills, and Charles W. Buckley compose the firm of Pratt & Buckley, recently organized to carry on a general grain commission business.

Gerald P. Stockdale, for twenty years a member of the Board of Trade, died May 3, from blood poisoning which resulted from a cut finger received while opening a sardine can some two weeks before.

Geo. H. Phillips believes that 10 to 15 cents per bushel or more can and will be added to the price of wheat before the next crop is available, especially with an increase in the general speculative trade.

Scott & Monahan, composed of W. F. Scott, formerly with C. H. Canby & Co., and J. J. Monahan, recently with Finley Barrell & Co., has recently been incorporated to conduct a general commission business.

J. C. Wood & Co have been incorporated with \$50,000 capital stock to conduct a general grain and commission business. John C. Wood, president; Charles J. Roberts, treasurer; James M. McLean, secretary.

The recommendation of the Board of Trade that regular elevators be exempt from car service rules while private houses were to pay \$1 per day per car, has been disapproved by the railroads, to whom the private elevator men had protested.

The Glucose Sugar Refining Co., a constituent of the Corn Products Co., has canceled and will carry its own insurance, thereby saving \$100,000 a year. If the trust carries out the same policy as to the remaining plants the saving will be \$200,000.

To permit customers to draw profits down to the market has been decided by the violation of rules committee and the directors of the Board to be contrary to the commission rule. Brokers according patrons this privilege have been enabled to influence business.

Rumsey & Co. have succeeded Rumsey, Lightner & Co. Mr. Lightner died some years ago and Mr. Frank P. Schmitt desires to retire, so the new firm will be composed only of Israel P. Rumsey and the junior partner of the old firm, Frank M. Bunch. Frederick Dickinson, who has been with Mr. Rumsey for 28 years, will continue in charge of the office force and at the head of the seed department.

The Board of Trade voted May 6 to amend the rules to require statements of conditions of corporations any time during the year, in addition to a regular statement by Jan. 5 each year. Each corporation, as well as firm, must have its officers members of the board in good standing, and all officers of corporations must be bona-fide holders of a good portion of the stock in their respective companies.

Henry L. Hertz, former coroner and now by the grace of politics collector of internal revenue at Chicago, has enriched Uncle Sam's exchequer by \$10,000 thru his descent upon Board of Trade firms who were dilatory in stamping memoranda of trades. Most firms paid the \$100 penalty demanded by Hertz. Two hundred members of the Board held a meeting to protest against the demands of Hertz, and a formal complaint will be lodged with the authorities at Washington.

Tunnel obstructions have led to an order by the harbor master at Chicago prohibiting vessels drawing more than



16 feet from entering the south branch of the Chicago River. The large boats are limited to the north branch, the main river or the Calumet River. The owners of the many elevators along the south branch are served only by the smaller steamers. Geo. J. Brine, of Armour & Co., and other influential business men recently appeared before the drainage trustees to ask for relief. Mr. Brine said: We can't get boats to our South Branch elevators now, and to all practical purposes they are useless to us.

Lester, Kneeland & Co. will continue the Chicago business of Raymond, Pynchon & Co. and also the business on the New York Stock Exchange formerly conducted by Henry V. Lester, who is the head of the new firm and will act as its New York representative. The other members are Lorenzo D. Kneeland, a member of the former firm; Allan M. Clement and John F. L. Curtis. T. A. Wright will manage the grain business on the Board of Trade and W. V. Lester will be associated with the firm.

George S. Bridge, for many years in partnership with T. D. Randall, has severed that connection, and will continue the commission business under his own name, with offices at 98 Board of Trade. Mr. Bridge is well and favorably known to the trade. He is president of the National Hay Association, and has been active in the movement to secure better railroad hay terminals at Chicago and the lower classification for hay freight. He will give his entire and undivided attention to the handling of baled hay and straw exclusively.

## ILLINOIS.

Thomas James is building an elevator at Big Rock, Ill.

R. G. Risser has bought the grain business of C. F. Ellis at Savoy, Ill.

Wm. Ernst of Carlock, Ill., is building an addition to his elevator.

Smith, Hippen & Co. have completed a large elevator at Spring Bay, Ill.

Miller & Clark have bought the elevator at Ancona, Ill., of John Coe.

C. S. Huber and H. Frederick will build a grain elevator at Belvidere, Ill.

Newlin Bros. & Co. have enlarged the bins in their elevator at West York, Ill.

The Neola Elevator Co. has purchased a lot and will erect an elevator at Dayton, Ill.

John Bird has bought the elevator at Sharon, Ill., formerly operated by A. L. Wolfram.

The Neola Elevator is planning to build a new 22,000-bushel elevator at Kings, Ill.

E. R. Ulrich & Sons are building 30,000-bushel elevators at Lake Fork and Mt. Auburn, Ill.

The Central Illinois Grain Dealers Association held an executive session Apr. 30 at Peoria.

Lamoreaux & Foreman have ordered an improved Hall Distributor for their elevator at Thawville, Ill.

A. U. Woodward & Co., Odin, Ill., May 2: Condition favorable; crop promises good yield; acreage small.

B. S. Williams & Co. is now the name of the firm formerly known as B. F. Williams & Son at Sheffield, Ill.

N. M. Vilm of Vilm Bros. of Coffeyville, Kan., is contemplating the building of a grain elevator at Anna, Ill.

The Farmers Elevator Co. with \$2,000 capital stock will build an elevator at McDowell, Ill. Directors of the com-

pany are Charles Cottrell, Arthur Moate and William Schaefer.

H. G. Blair is preparing for the erection of an elevator near Adeline, Ill., and has purchased machinery and power plant.

E. D. Risser has begun the erection of a new elevator at Rantoul, Ill. to have 40,000 bushels capacity and be 50 feet high.

Wm. H. Stallings, Alhambra, Ill., May 6: Late rains have added to wheat prospect. Corn mostly planted; coming up nicely.

O. J. Roberts will rebuild a part of his elevator at Roberts, Ill., and furnish it with supplies purchased of the Marseilles Mfg. Co.

C. L. Aygarn, grain dealer at Pontiac, Ill., has brot suit against three citizens for \$20,000 damages on account of alleged slander.

Otis McNelly is building an oat storage bin of 25,000 bushels capacity at Blue Mound, Ill., where his business is rapidly increasing.

R. B. Cotton, Brimfield, Ill., May 6: Oats doing fine in this section; good rains; corn planting commenced; ground in good condition.

Suttle Bros. of Mt. Vernon has purchased a store at Sheller, Ill., and will conduct it in connection with their elevator at that place.

All machinery for the new elevator to be erected by E. S. Herron & Bro. at Stockland, Ill., will be supplied by the Marseilles Mfg. Co.

S. M. Postlewait's large order for elevator machinery and supplies for his elevator at Rossville, Ill., has been given the Marseilles Mfg. Co.

Goff & Yates, Rantoul, Ill., May 1: Copious rains here greatly benefiting oats and grass; corn planting commenced under favorable conditions.

C. A. Davis of Lovington, Ill., will build an elevator at that place and install a 25-h.p. Fairbanks Gasoline Engine and a 500-bushel hopper scale.

Jacobs & Brauer, San Jose, Ill., May 5: Crop prospects fine at present; oats and grass late; fine late rains; old corn, oats and wheat about all moved out.

Geo. A. Starz, Lake Fork, Ill., Apr. 29: Oats looking fine; corn ground about broken; ground working up in fine shape; plenty of rain at present.

John Weimer of Winkle Station on the P. & N. branch of the C. & A., has sold his elevator and business to J. & F. J. Ropp of San Jose, Ill., for \$3,500.

Geo. Walker, Cerro Gordo, Ill., May 2: Oats beginning to look pretty well in consequence of the late rains; ground in fine condition; some planting corn.

A complete outfit of machinery and supplies has been ordered from the Marseilles Mfg. Co., by Frank Hall & Co., for their new elevator at Wyoming, Ill.

Jones & Banta of Chrisman, Ill., are making improvements in their elevator at Horace, Ill., installing the Constant Chain Grain Feeder with 100 feet of track.

Nicholas Eisenhauer, who conducts a grain elevator at Dimmick, Ill., fell under a freight train on the C. & N. W. tracks at Troy Grove and now has only one leg.

The St. Jacob Grain Co. has been incorporated at St. Jacob, Ill., to buy and sell grain. Capital stock, \$2,500; incorporators: George W. Hoffman, L. W. Adler and L. A. Valier.

J. C. Diffendorfer will paint his grain office at Lincoln, Ill., the standard color of the Alton Ry. Co., as soon as that

color is decided upon, and ornament it with ivy and other vines.

Dow & King, Pittsfield, Ill., May 3: Increased acreage of wheat over last year; condition best in ten years; no complaint of insects; looks now as if we should have large crop.

H. G. Blair, of Maryland township, near Polo, Ill., is building an elevator on his farm, to have 10,000 bushels capacity, and be equipped with a wagon dump and ear corn elevator.

The Pratt-Baxter Grain Co., Taylorville, Ill., is equipping its new elevator at Clarksdale with machinery and a 12-h.p. Model Gasoline Engine, for which the Marseilles Mfg. Co. is general agent.

N. O. Proctor of Rome, Ill., is improving his elevator which was formerly run by horse power, by putting in an engine, feed grinder and sheller and increasing the capacity to 10,000 bushels.

The Thebes Milling Co. has been incorporated at Thebes, Ill., to conduct a general grain and milling business. Capital stock, \$21,000; incorporators: B. C. Sullivan, S. C. Bascom and G. R. Hutchens.

Geo. W. Walker of Cerro Gordo, Ill., has resigned his position as manager of the elevator at that place, and last week visited Chicago. He contemplates entering the employ of some grain firm elsewhere.

Goff & Yates of Rantoul, Ill., write that Thomas Ogden formerly of that place but now at Chesterville, has purchased the elevator and lumber yards of E. C. Sale at Dewey and will take possession soon.

Dewey & Co., dealers in grain at Henry, Ill., are pulling down the corn cribs in connection with their elevator, which on account of their dilapidated condition are in constant danger of catching fire.

A. C. Street, agent Neola Elevator Co., Ohio, Ill., May 2: Fine rain last night; growing crops of small grain and grass looking fine; no corn planted, most of farmers will commence planting about the fifth.

E. D. Risser has begun work on his new elevator at Ludlow, Ill. It will be 36x50 feet, 50 feet high and have a capacity of 50,000 bushels. The Marseilles Mfg. Co. will furnish a complete equipment of machinery and supplies.

W. H. Shaw & Son are taking down the elevator at Lyndon, Ill., which they have operated for twelve years, to make room for a new 30x30-foot structure, to be 30 feet high, cost \$3,000 and be equipped with a 6-h.p. gasoline engine.

O. W. Bishop of Round Grove, Ill., J. M. Ernst of Humbolt, Ill., and the Cleveland Grain Co., of Mattoon, Ill., have placed their orders for the Constant Patent Chain Grain Feeder to be used in connection with improvements.

A heavy stick of timber was blown against the elevator belonging to John Hagner at Bluff Springs, Ill., during the wind storm on Apr. 25 knocking a great hole in the side. Over 1,000 bushels of corn ran out and was somewhat damaged by the rain.

M. E. Miner, representing the Alton Grain Co., has purchased the Blanchard Mill at Mendota, Ill., on the C. B. & Q. tracks and will remodel it for storing grain. The company expect to build a new elevator at Mendota this summer, and is looking for a location.

J. F. Leising, dealer in grain at Goodenow and Chicago Heights, Ill., was married Apr. 17, to Mrs. Sophia Rohe of Chicago Heights, where Mr. Leising



will in the future conduct the business, leaving his son to manage at Goodenow.

T. Y. Pinkstaff, Pinkstaff, Ill., May 2: Wheat crop from present prospects will make fair crop in this vicinity but on sand prairie will not make one fourth crop; large acreage sown in oats; not much rain and wheat has suffered on that account.

The iron smoke stack on the elevator belonging to Kirkpatrick Lackland & Co., at Chenoa, Ill., was blown over a short time ago, knocking several holes in the roof of the engine room and causing a delay in elevating the grain which was coming in.

Burt Finch, son of J. O. Finch, grain dealer at Clarks Hill, Ind., was married to Stella Kelly of Jamestown, at her home, Apr. 27. After spending some time with his parents at Frankfort, Ind., they will make their home at Clarks Hill where the room has a position as a weaver.

Keiser Bros. Milling Co., Mt. Olive, Ill., May 2: Wheat, full average acreage; conditions very favorable at present; points to early harvest; oats below full acreage, conditions fair; corn full acreage, planting half done; all grain promising; hay and grass well started; moisture sufficient.

H. I. Baldwin & Co. have opened an office in the Review building at Decatur, Ill., for the purpose of buying track grain from regular dealers. Mr. Baldwin has had an experience of 15 years in the grain trade of Decatur, having until lately been secretary of the Pratt Cereal Mill Co.

The McDonald Grain Company, which has recently been incorporated, will operate two elevators at Green Valley, Ill. The stockholders are J. S. McDonald of that place and Roberts, Moschel & Mosiman of Morton, Ill. The latter will build a 50,000-bushel elevator at Goodfield, Ill., on the L. E. & W.

F. L. Kidder & Co., Paris, Ill., May 5: What little wheat planted last fall looking very nice; oats all up, though backward on account of lack of moisture; good rain last night helped very materially; corn now being planted, going in in good shape; both oat and corn acreage somewhat larger than last year.

Messrs. Lloyd and Wright, the former of Chicago, the latter of Springfield were the purchasers of Suttle & Wiswell's grain business at Beason, Ill., and have moved to that place. John Crawford will be retained as their manager. E. R. Wiswell will go to St. Paul, Minn., where he will engage in other business.

Mundy-Settlemyre Co. has purchased the entire outfit of machinery necessary to equip the elevator which is to be built at Dorsey, Ill., of the Marseilles Mfg. Co. They include in their specifications a 15-h.p. Model Gasoline Engine, for which the Marseilles Mfg. Co. is the general western sales agent, and which will furnish the power.

L. B. McKenzie, Morrison, Ill., May 1: Will be 7,000 acres of corn, 4,000 of oats and 1,000 of barley; balance of township in hay and pasture; hay crop will be very light at best; oats very uneven and if hot weather comes on will be light crop; everything favorable for corn unless drouth sets in as last year; no one able to estimate corn crop until August 1.

William F. Banta, who owns elevator interests at Mortimer, Ridgefarm, Woodyard and various other places in North Edgar and South Vermillion

counties, Ill., suffered loss by fire at Mortimer, Apr. 18, when his elevator, containing between 6,000 and 8,000 bushels of corn, and his office were destroyed. Loss, about \$4,000 on elevator and \$100 on office, with some insurance.

F. D. Voris, Neoga, Ill., May 5: Very little wheat sowed here last fall; what little there is, is looking well but will not be enough to supply the home demand for bread and seed; full crop of oats sowed; put in early, in good order and looking fairly well; weather a little too dry for vigorous growth; full average corn crop will be planted if every thing is favorable for the next week or ten days; considerable broom-corn will be planted; timothy hay looking well and usual acreage, more acres being in hay than in any other crop in this Cumberland county.

W. J. Roller, Newman, Ill., May 5: Farmers well up with work; 30 per cent half done planting; oats all sowed and looking fine; breaking for corn all done and over 70 per cent of acreage will be planted this week; ground working finer than last year and corn will be much easier tended as ground is not weedy; pastures and meadows looking well, but will be light on account of lack of heavy spring rains; prospects for crops much more flattering than at this time last year. Of 22,000 acres, 20 per cent is in oats, 10 per cent in pasture and meadow land, 65 per cent in corn and 200 acres in broom-corn; no wheat to speak of.

An elevator of 75,000 bushels capacity will be erected at Peoria, Ill., in connection with the new corn milling plant to be built on the 4 acres recently purchased by the National Cereal Milling Co., a new combination of the principal corn mills of the country. The officers are: Theodore Kipp, of Peoria, president; A. H. Nordyke, of Indianapolis, vice president; J. H. Owens, of Des Moines, Iowa, secretary; John E. Goodrich, of Peoria, treasurer; J. J. Crowder of Peoria counsel. The directors are the above officers with the exception of the secretary and counsel, C. E. Nordyke, J. J. Goodrich, James P. Fritze, W. W. Hammond, Godfrey Wys and George R. Steinberger, of Jersey City, N. J.

## INDIANA.

Mr. Cardell, Decatur, Ind.: Wheat one-half crop.

Davis A. Baker will build a new grain elevator at Butler, Ind.

F. H. Hamilton has installed a 22-foot wagon scale in his elevator at Mays, Ind.

Kinsey Bros. of North Manchester, Ind., will remodel their elevator at Silver Lake.

Cadick Milling So., Grand View, Ind., May 2: Prospects for about 90 per cent of an average wheat crop.

The Fisher Grain Co. is building a 3,000-bushel addition to its 9,000-bushel elevator at New Paris, Ind.

Seaward & Rakestraw of Oakford, Ind., contemplate erecting an elevator in connection with their mill.

T. W. King & Son, Wabash, Ind. May 5: Wheat prospects have now 70 per cent of average; oats prospects good.

W. J. Riley & Co. will continue the business at Indianapolis, Ind., of W. B. Campbell, who died recently of cancer.

A 20,000-bushel elevator at Grabill and a 10,000-bushel elevator at Thurman, Ind., are being built by N. A. Grabill.

Shetterly Bros., Lapel, Ind., May 3: Average acreage of wheat sown; looks well so far; indicates 95 per cent of crop.

Samuel Griffin, Griffin, Ind., May 3: About one half acreage sown and prospects bid fair for two-thirds crop of wheat.

L. H. Robbins is building a 20,000-bushel elevator at McCool, Ind., which will be equipped with entirely new machinery.

John Caylor of Ridgefield, Ind. has put in a new elevator and increased his facilities for handling grain to 350 to 500 bushels per hour.

N. A. Grabill, Daleville, Ind., Apr. 24: Wheat beginning to show effects of dry weather; unless good rains come soon, crop will be short.

Means & Witt, Lebanon, Ind., May 2: Wheat acreage about double last year; condition hardly average; prospect for three fourths yield.

The Edinburg Elevator Co. has completed its 30,000-bushel elevator at Edinburg, Ind., and is prepared to handle grain and grind feed.

The Frankfort Grain Co., composed of McBride & Connelly have purchased for \$6,000 the elevator at Sedalia, Ind., formerly operated by J. A. Bridge.

Fisher Grain Co., New Paris, Ind., May 2: Wheat looking better than two weeks ago, looks now as though there would be an average of two-thirds crop.

The 17-year locust which arrived in southeastern Indiana on the 29th of May 1885 and May 28, 1868, is expected to appear at the end of the present month.

Wm. W. Wilson is the efficient manager of the fine new steam power 100,000-bushel elevator recently completed at Freeland Park, Ind., by Kirkpatrick Bros.

Joseph Garrard of Shideler, Ind., has let the contract for his new elevator to N. A. Grabill. He will use Constant's chain grain feeder in connection with the sheller.

Campbell & Co., Kendallville, Ind., May 3: Acreage about the same as last year; crop condition fully as poor; we do not think there will be over 25 per cent of a full crop.

W. H. Small & Co. of Evansville, Ind., are making an addition to their elevator, increasing the capacity to 20,000 bushels, making the total storage 60,000 bushels and 100 cars hay.

A meeting of regular grain dealers will be held at LaFayette June 4. All regular dealers of Montgomery, Fountain, Warren and Tippecanoe counties are expected to be present.

V. L. Anderson, Oxford, Ind., Apr. 28: New oats coming up nicely; we anticipate good crop; grass doing nicely but needs rain; orchards look fine; grain moving slowly.

J. G. Winders, Arcadia, Ind., May 6: Wheat looking very nice much improved from ten days ago; if nice showers continue will have lots of wheat; fine weather for progress in corn planting.

The regular dealers of Knox, Gibson, Pike, Daviess, Green and Sullivan counties will meet at Vincennes Wednesday, May 21. Be sure to come out, meet your competitors and establish friendly relations.

J. C. Gordon of Argos, Ind., is remodeling his elevator and will install two of the Constant Chain Grain Feeders, one over the sheller and one in the dump sink to the elevator boot.

The Tomlinson Grain & Lumber Co. of Winchester, Ind., will remodel its



elevator at Crete by enlarging the old stand and putting in modern improvements, among them a new 20-h.p. gas engine.

The Indianapolis Board of Trade gave a smoker on the evening of Apr. 25 to members and their friends to the number of 200. Professionals gave a vaudeville performance upon a stage erected in the large hall.

F. R. Pence, Williamsport, Ind., writes: Please discontinue my ad as I have sold my elevator to Wilbert Hawkins of Oxford, Ind. Since I advertised in the Grain Dealers Journal, I have had many inquiries.

F. M. Thurber, Ossian, Ind., May 2: Wheat looking fine in this section; rain improved it 50 per cent; oat acreage larger than usual on account of the high prices; most of oats up and looking well; prospects very flattering for farmers.

Bartlett, Kuhn & Co have given the contract to the Barnett & Record Co. for a 600,000-bushel wooden storage elevator, to be built at Terre Haute, Ind., for the Vigo Elevator Co. The new plant will be operated in connection with Elevator A.

D. W. Harris, Greensfork, Ind., May 2: Prospects very irregular, some very poor, some very good; fertilized wheat all promises well; not much complaint of fly; damage mostly caused by fall and hard winter; now seasonable and growing well.

Thornburg Milling & Elevator Co., Martinsville, Ind., May 2: Outlook for wheat very promising; very small per cent planted last fall is being plowed and put in to other grains; ground in good condition for corn planting, which has just commenced.

Milton Richards, Nevada, Ind., May 3: Most of the early wheat sown and in fair condition; late wheat in bad condition, most of it being plowed up and sown to oats, which are looking nice; large acreage of oats and corn; ground in fine condition for corn.

The regular grain dealers of Kosciusko, Elkhart, St. Joseph, Marshall, Fulton, Pulaski, Starke and LaPorte counties with their wives and sweethearts will have a two days' outing at Lake Maxinkuckee June 5 and 6. It will cost more to remain at home than to attend.

Meetings of regular dealers have been held this week at Danville, Veedersburg and Plymouth, and Secretary Sampson has added a number of new members to the Indiana Grain Dealers Association. The troubles of the dealers of each district were carefully gone over and steps taken to give relief.

J. B. Noe, Kimmell, Ind., May 2: Acreage of wheat fully 100 per cent; condition about 50 per cent owing to dry weather and freeze out; oat acreage fully 100 per cent; condition, 100 per cent; plowing for corn nearly done; ground in good condition; nearly all clover frozen out.

H. B. Whittenberger, Larwill, Ind., May 3: Growing wheat looks well; good crop reaped last year was a good inducement for farmers to sow again which they did quite liberally; acreage one-fourth more than last season and prospect very fine for excellent crop again this year; rains have been copious.

Geo. C. Wood contemplates improving his elevator at Nevada, Ind., for handling small grain and will put in a system of conveyers, a 1,000-bushel hopper scale and a car loader. He made various improvements a year ago which with those contemplated will place his elevator among the best in that vicinity.

Simon Nading, Hope, Ind., May 2: Wheat in good condition for average crop since late rains; improving very rapidly; consider prospect encouraging; full acreage; very little corn planted; farmers well along with work and planting will be general next week; acreage will be large; oats doing well; not much sown.

A 30,000-bushel elevator at Lewis Creek, Ind., containing between 8,000 and 9,000 bushels of corn, 300 bushels of wheat and 200 bushels of oats, and owned by William Nading of Shelbyville, was destroyed by fire Apr. 30. Loss, \$10,000; insurance: on elevator, \$2,750; on grain \$6,000. Mr. Nading will rebuild.

Goodrich Bros. Hay & Grain Co., Gaston, Ind., Apr. 28: Long continued dry weather has injured wheat; some report one half crop; recent light rains will benefit greatly; wheat acreage small; unusually large crop of oats sown acreage of corn larger than former years not much of any kind of grain in farmers hands.

Geo. E. Moore, Kingman, Ind., May 5: Wheat acreage very much decreased by plowing up and seeding to corn and oats; condition of remainder very poor; oats very backward, helped greatly by recent rains and warmer weather; considerable corn planted and as farmers are well along with breaking, planting will go on rapidly.

A sad accident happened at Millersburg, Ind., on the afternoon of Apr. 23. Donald, the four-year-old son of John L. Juday, was playing in the wheat bin of his father's elevator. Some grain was drawn out from below, causing a suction and drawing the child down and burying him six feet deep in over 400 bushels of wheat, where he was smothered to death.

Seaward & Rakestraw, Oakford, Ind., May 1: Wheat fair, but has suffered somewhat from drouth; recent rains have improved it; corn planting in full blast; ground in fine condition; oats looking well; grass growing nicely since the rains; grain of all kinds scarce at present, hardly enough wheat to keep the mills running; flour too low in proportion to wheat.

The mid-summer meeting of the Indiana Grain Dealers Association will be held at Indianapolis Wednesday, June 25. If 100 or more dealers will notify Secretary Sampson that they will travel to meeting on regular tickets, arrangements will be made for tickets at one fare going on the certificate plan and return at one-third fare. All regular grain dealers will be welcome.

C. E. Nichols & Co., Lowell, Ind., May 2: Farmers getting ready to plant corn; very light deliveries of grain; very few oats left either with farmers or in grain dealers' hands; considerable corn in farmers' hands; will be liberal movement after corn planting; plenty of moisture; everything looking fine; large acreage of oats and corn at expense of meadows and pastures.

Edinburg Elevator Co., Edinburg, Ind., Apr. 30: Large acreage of corn; wheat prospects fine; dry weather affected clay ground badly; fine rain this week; no wheat being plowed up; very little wheat or corn left in farmers' hands; we have about 10,000 bushels of ear corn; farmers seem prosperous notwithstanding crop failures of last year; stock nearly all marketed.

H. H. Smith, LaGrange, Ind., May: Acreage of wheat about the same as

last year or about 70 per cent of average for last ten years; condition not more than 60 per cent of average; very little growth last fall; injured by freezing in March and drouth and wind in April; average acreage of oats sown; in good condition; large acreage of corn will be planted; very little clover; farmers are sowing cow peas as a substitute.

## IOWA.

A. B. Elliott of Whiting, Ia., will put in a corn cleaner.

A. N. Drummond of Guernsey will put in a corn sheller.

The elevator at Ogden, Ia., is being enlarged and new scales put in.

Ed. Bruen will manage for the Kinsella Grain Co. at Blairstown, Ia.

W. H. Gentner, Farmington, Ia., May 5: Crop prospects good; all kinds.

Bids are wanted for the erection of the farmers' elevator at Gowrie, Ia.

The Skewis-Moen Co. is putting in an 8-h.p. gas engine at Rock Rapids, Ia.

M. Slife of Dedham, Ia., is putting in a 300-bushel Fairbanks-Hopper Scale.

Peters, Whitaker & Co. are putting in a 12-h.p. gas engine at Rock Rapids, Ia.

Hemmerson Bros., are attempting to do a scoop shovel grain business at Rutland, Ia.

John Hardin of Yarmouth, Ia., contemplates overhauling and enlarging his elevator.

B. F. Orr has sold his elevator at Woden, Ia., and will seek a location elsewhere.

L. S. Miller has succeeded F. D. Phelps as manager for Bowen & Regur at Royal, Ia.

The Northern Grain Company is putting in coal sheds at Schaller, Ia., and will handle coal.

Peter Hatterschied, Corwith, Ia., is putting in a new 4-h.p. Fairbanks & Morse Gasoline Engine.

Terwilliger & Dwight will build new approaches to their elevator and new coal sheds at Ireton, Ia.

The grain elevator caught fire several times Apr. 21, during the burning of a creamery at Brushy, Ia.

W. J. Brown, Rutland, Ia., May 2: Small grain looks poor; ground in good shape for corn planting.

Hy Rohlk, Rock Rapids, Ia., writes that St. John Bros. have opened the old Peavey Elevator at that place.

Earl Hoffman of Vail has succeeded A. J. Adams at Boyer, Ia., as manager for the Trans-Mississippi Grain Co.

Johnson & Co. are making preparations for the erection of an elevator at Galt, Ia. Mr. Lee is their buyer there.

J. W. Morehouse, Schaller, Ia., May 2: Small grain looking fine; has been rather dry but things not suffering yet.

Counselman & Co. have lumber on the ground for a new elevator to take the place of their old one at Plover, Ia.

J. W. Morehouse is now agent for the Northern Grain Co. at Schaller, Ia., instead of Mr. Lytle who is at Carson S. D.

C. G. Williams of Dalton, Ia., writes that the Atlas Elevator at that place was partially destroyed during the storm Apr. 25.

The Northern Grain Co. expects to carry on a coal and lumber business in connection with its grain interests at Vail, Ia.

J. W. Carden, Rose Hill, Ia., May 8: Fine rains; good prospect for small grain and grass; some corn planted; ground in fine condition; grain mostly shipped out.



L. W. Rissler of Luton, Ia., writes that the Neola Elevator Co. will enlarge its elevator at that place and put in a new engine.

The American Cereal Co. has bought for \$5,000 the elevator at Eagle Grove, Ia., of Smith Bros., and June 7 will take possession.

The Wells & Hord Grain Co. of Central City, Neb., will place an improved Hall Grain Distributor in the elevator at Clarence, Ia.

Fire started in the engine room of Howe & Co.'s elevator at Radcliffe, Ia., but was extinguished before much damage was done.

C. B. Sankin has purchased one of the elevators owned by the Skewis-Moen Co., at Inwood, Ia., and will make some improvements.

Geo. D. Brown, Ireton, Ia., writes that F. M. Slagle & Co. are putting in a cement-concrete floor in the basement of their elevator.

E. E. Entriiken will succeed A. Yale as manager for the Interstate Elevator Co., at Burt, Ia. He has been running an elevator at Cornelia.

F. T. Tapitz, Duncan, Ia., May 1: Weather nice and warm; had a nice rain condition of crop fair; corn about to be planted; business slow.

W. K. Hodges, agent for the Trans-Mississippi Grain Co., Orson, Ia., May 3: Good percentage of corn planted; wheat and oats look fine.

The Inter-State Grain Co. has bought the old Manson grain office at Holstein, Ia., and will remodel it for a residence and office for its local manager.

Alva Humeston has built recently a new baled hay barn of 200 tons capacity and is planning to build an oat granary of 10 cars capacity at Humeston, Ia.

Robert Ivenz of Persia, Ia., writes that a new road is being built from Ft. Dodge to Council Bluffs along which several elevators will no doubt be built.

Two elevators at Bayard, one owned by Harrison Garnes, were destroyed by the tornado which swept across Decatur country, Ia. on the night of May 1.

Chambers & Wilson, Des Moines, Ia.: Discontinue the advertisement, as our Mr. Chambers has bot an elevator which the advertisement brot to his knowledge.

W. J. Entwhistle who bot C. L. Thompson's elevator at Rutland, Ia., in February, took possession May 1. The style of the firm will be Entwhistle & Ferris.

S. E. Wainwright will place a 60,000-pound hopper scale in his elevator at Lenox, Ia., and has given the contract to the Hickman Scale Mfg. Co. of Des Moines.

L. E. Miller, New Hartford, Ia., May 3: Oats looking fine; 10 per cent more acreage of corn and 10 per cent less of oats; very little old corn left in the country.

The Iowa and Nebraska Grain Co., which has been incorporated by Floyd J. Campbell and others, will take possession of E. Reicherts' elevator at Faragut, Ia., May 15.

L. B. Munger of Renwick, Ia., writes: R. C. Dugan, manager for the Northern Grain Co. at this place has taken a partner (a wife) and will probably have more to do now.

Mr. McCay, Rake, Ia., May 3: Crops very promising at present; plenty of rain; wheat acreage small; acreage of other small grains a little larger than average; corn average large.

Geo. W. Laing, Panama, Ia., May 5: Acreage of small grain about the same

as in the past few years and looking good; rain necessary in a week or two to keep it in growing condition.

R. M. Wilkinson of Lafayette, Ind., has purchased the elevator at Washington, Ia., for \$7,500, of George S. Parkinson & Co., and will move to that place. Mr. Parkinson will go to California.

The Rock Valley Milling Co. is erecting a 25,000-bushel elevator at Rock Valley, Ia., which will be equipped with an improved Hall Distributor. The Younglove & Boggess Co. has the contract.

The Keokuk Pure Food Co. is being organized at Keokuk, Ia., with \$150,000 capital stock to manufacture malted oats and other health foods. Among those interested are Jas. C. Davis, D. J. Ayres and others.

O'Connor Bros., Raymond, Ia., May 8: Oats looking fair; getting ready to plant corn; plenty of rain; acreage of corn same as last year; little old corn in farmers' hands, cribs at stations nearly all empty.

Schwartzing & Co. of Walcott, Ia., write that Denkmann Bros. of Durant have made a contract with the Barnard & Leas Mfg. Co. for a 50,000-bushel elevator in place of the one destroyed by fire recently.

H. Crocky, scooper of Randolph, Ia., is attempting to do business as Chanute Grain Co. and Randolph Seed Co. He has no facilities. The regular dealers at that station are F. M. Campbell and S. T. Rhode & Co.

Geo. W. Topping, Brooklyn, Ind., May 7: Growing wheat crop in fair condition; that in bottom lands looks well; that in clay soil looks very weak and sickly; more than average acreage of corn being planted.

The Northern Iowa Grain Co. has discontinued business. Its Rolfe elevator will be operated by the Rolfe Grain Co., the Bradgate elevator by Clerke Brown and the Sioux Rapids elevator by C. T. Likens & Co.

Otto Selmmese, agent for the Douglass Elevator Co., writes that the company is installing a Fairbank Track Scale and a 30-h.p. gas engine in its elevator at Estherville, Ia.

The Union Elevator Co. has decided not to remodel the old distillery plant at Des Moines, Ia., on account of the bins being decayed, and this decision may result in the erection of a new elevator.

M. A. Berry, Ollie, Ia., May 3: Grain will be all oats and corn; about the same acreage as last year of oats and greater of corn—perhaps 110 per cent—which is being planted now; oats doing well since the recent good rains.

Will Fostlebe has purchased one-half interest in T. D. Froning's elevator at New Hartford, Ia. Mr. Froning has moved to Parkersburg and will build an elevator and L. E. Miller will manage the business at New Hartford.

A. E. Bowers, Otho, Ia., May : Not quite as much small grain put in this year as usual owing to high price of seed; more corn than ever before; big rain last night, small grain doing fine; corn planting has begun; best prospects for a big crop.

Eikenberry & Co., Russell, Ia.: Very little grain raised for shipping; ship a few oats; oat crop started nicely; late rains started grass which is prevailing crop; we ship from 20 to 50 cars of timothy seed from here early; other elevator business very small.

Judge McGee has authorized the receivers of the St. Paul & Kansas City

Grain Co. to accept the bid of \$17,000 made by Andrews & Gage for the elevators owned by the company at Marshalltown, St. Anthony, Zearing, McCallsburg and Roland, Ia.

The bowling team composed of the office force of the D. H. Stuhr Grain Co., Davenport, Ia., defeated the team of the Pittsburg Plate Glass Co., recently, by a score of 2,026 to 1,848. The highest individual score, 105, was made by Mr. Stuhr in the second game.

John Faas, Jr., agent for Neola Elevator Co., Parnell, Ia., May 3: Heavy acreage of oats which are looking fine but uneven; no corn planted at present but acreage will be greater than last year; work well advanced for planting; ground in excellent condition; prospects fine.

L. M. Graham, grain dealer at Glenwood, Ia., was shot and possibly fatally wounded by his 19-year-old son, Apr. 20. The father, on account of the extravagant habits of his son, opposed the sale of certain property which the latter wished to sell, and the shot was the result.

L. S. Miller, Royal, Ia., May 3: Weather has been very unfavorable for growing crop, meadows and pastures up to within a few days; very heavy rain recently accompanied by high wind which did considerable damage; oat acreage large; corn acreage about the same as last year, barley and wheat below the average.

Moreland & Shuttleworth, Ocheyedon, Ia.: On basis of last year, wheat acreage 80 per cent, condition of growing crop 100 per cent; oat acreage 105 per cent, condition 100 per cent; barley acreage 110 per cent, condition 100 per cent; corn acreage 105 per cent. Crops in fine condition, plenty of rain last two weeks; all vegetables growing very fast.

Jas. M. Folck, agent Trans-Mississippi Grain Co., Onawa, Ia., May 3: Wheat acreage 100 per cent, growing condition 75 per cent, remaining in hands of farmers 60 per cent; oats acreage 50 per cent, none in farmers' hands; corn acreage 110 per cent, remaining in farmers' hands 25 per cent; barley acreage 100 per cent, growing condition 75 per cent, none in farmers' hands.

H. G. King, Mt. Union, Ia., Apr. 28: Longest drouth ever known in this section at last broken by good rains, which will insure an oat crop, although many of the oats did not come up until after the rains, which may make them a little uneven in ripening; hay bound to be a light crop; no corn planted yet, but ground in excellent condition and all ready to plant as soon as warm enough; will be large acreage of corn.

Edward J. Drake, Ogden, Ia., May 2: First of season very dry and dusty, giving farmers a good chance to get small grain in good shape; recent rains assure the best crop since 1895; no doubt larger acreage of corn will be planted than in recent years; ground in best of condition; many farmers planting corn. Corn at present 58c, oats 36½c; everything the farmer has to sell a good price, which makes him feel like doing good.

O. T. Hurlburt & Co.'s elevator at Murray, Ia., which was destroyed by fire Apr. 20, contained about 1,000 bushels of oats. A crib containing 127 bushels of corn owned by John Warren and 50 bales of hay belonging to O. A. Talbott, stored in an oat bin, were also burned. Loss to the elevator company \$3,000, to John Warren \$60 and to O. A. Talbott \$25. Mr. Hicks, manager for O. T. Hurlburt & Co., states that the elevator will



be rebuilt. On the evening of Apr. 22 the wind blew in the walls of a brick engine-house belonging to the company at Osceola.

### KANSAS.

A new elevator is being erected at Coates, Kan.

The Miller Grain Co. will build an elevator at Kiowa, Kan.

J. W. Kerns, Oakley, Kan., Apr. 22: Wheat done up; will not be worth cutting.

T. J. Price, owner of a large corn elevator at Reading, Kan., died Apr. 24 of paralysis.

The Farmers Co-operative Grain & Livestock Co. has discontinued business at Lewis, Kan.

F. L. Ingersoll, Kirwin, Kan., Apr. 22: Prospect for new wheat crop only fair; weather dry and windy.

F. L. Ingersoll has completed his 10,000-bushel elevator at Kirwin, Kan., and installed a gasoline engine.

If the oat and corn crops are good Knock & Co. of Riverdale, Kan., will build an addition for storage.

The elevator which D. M. Brower & Co. are building at Lewis, Kan., will have a capacity of 12,000 to 14,000 bushels.

W. P. Finger & Sons of Sawyer, Kan., expect to put in a dump at their elevator if they can obtain a permit from the railroad.

E. S. Craft, Lewis, Kan., Apr. 28: Outlook for wheat unfavorable; dry; not to exceed one inch rainfall in three months.

Jno. P. Pattinson of Seward, Kan., has ordered a 6-in. 8-duct Hall Distributor to place in his elevator when making repairs.

H. E. Jacobs, Brewster, Kan., writes that the A. J. Poor Grain Co. will install a gasoline engine in its elevator at that place.

The Farmers Co-operative Grain, Livestock & Coal Co. has been incorporated at Argonia, Kan., with \$5,000 capital stock.

R. P. Simons, Ottawa, Kan., Apr. 25: Wheat looks fine, all jointed, some a foot high; never saw wheat look better; a little rain yesterday.

Kiowa M. & E. Co., Kiowa, Kan., May 5: Good rain yesterday; from present prospects will raise about 40 per cent of a wheat crop.

S. R. McArthur, Walton, Kan., May 3: Wheat acreage about 110 per cent of last year; condition 75 per cent of last year; need rain badly.

Meier's elevator at Herkimer, Kan., was destroyed early on the morning of Apr. 26 by a fire which swept through the town, leaving it in ruins.

A new grain elevator at Lancaster, Kan., belonging to John Cain and Leon Woodhouse of Atchison was badly damaged Apr. 20 by the wind storm.

B. J. Northrup, chief inspector of the Kansas Grain Inspection Department, has placed several inspectors on half time and dismissed part of his office force.

A large elevator and mill belonging to E. B. Purcell at St. George, Kan., were destroyed by fire Apr. 25, causing a loss of \$10,000. Some grain was in the elevator.

Wm. B. Giles, Abilene, Kan., May 5: Wheat condition very bad on account of continued drouth; won't have over one-third crop with favorable weather from now on.

Neil McLeod, Valley Falls, Kan., May 3: Very dry; unless we get rain soon

oats and wheat will be lost and hay crop will be very short; no pasture yet; all feed high; corn being shipped in at 65 to 70 cents per bushel.

John W. Beery, Ashton, Kan., May 5: Fields and acres of wheat that weeds will take very thin and doing no good; subsoil very dry and outlook poor; crop has gone back in last ten days.

C. T. Rankin, agent Morrison Grain Co., Waldo, Kan., May 3: Present outlook for wheat 15 per cent of crop; too dry; acreage 10 per cent over 1900; total acreage tributary to our station 7,000 acres.

L. W. Brown, Hutchinson, Kan., May 5: Long-continued drouth of unusual severity has so badly crippled wheat in central and western Kansas that crops will be very light west of Newton county, with very little likelihood of any west of Barton county.

J. F. Ramsey, buyer for Kansas Grain Co., Zenith, Kan., May 3: Wheat nearly all left; with favorable weather will make three-fourths of a crop all around; needing rain badly; will not grow tall, but can be cut with headers.

Burton Salisbury, Tescott, Kan., Apr. 29: With favorable weather 50 per cent of crop; wheat short from effects of dry weather, but is a good stand; about 30 per cent of wheat will probably be plowed up, even if we get rain at once.

Wm. G. Vogelgesang, Walker, Kan., May 3: With favorable weather one-third crop is possible, otherwise nothing; acreage tributary to this station 18,000 acres; wheat needing rain very much; cannot stand much longer without it.

J. G. Maxwell Co., McPherson, Kan., Apr. 25: Rains reported from central Kansas merely local showers; one here last night; to-day wind blowing a gale and air full of dust; nothing less than a general soaking rain will put this section in satisfactory condition.

Fred Strong, agent for Knock & Co., Riverdale, Kan., Apr. 28: One-half of wheat plowed up and put into oats and corn, mostly oats, which look well; corn all planted; wheat left standing will not make more than one-half of normal crop; about one-eighth of last year's crop left in farmers' hands.

J. D. Harpster, Willis, Kan., May 3: About average acreage of wheat and oats; corn acreage increased 10 per cent from last year; wheat, oats and grass suffering from dry weather; if it does rain within a week wheat will be ruined and meadows be no good for pasture; very little grain shipped from here.

C. G. Bennett, Gypsum City, Kan., May 2: High winds and dry weather have almost ruined wheat crops; scarcely any that will hide a rabbit; it is sprouting, but will make a small crop; if it should rain before the 20th look for three to five bushels per acre; one-half of acreage is being plowed up and put into other crops.

A. W. Schenberger, Wakefield, Kan., May 3: Three-fourths of farm land put into wheat last fall; 60 per cent entirely dead on account of severe and long continued drouth and high wind storms now prevailing; no sign of drouth breaking; must have rain within eight or ten days or entire wheat crop will be a failure and oats will also be ruined.

A. V. Kennedy, Nashville, Kan., Apr. 22: In our trade limit 15,000 acres sown, with about 60 per cent of full crop or 60 per cent of last year's crop; very weak plants; must have very favorable weather to have a good crop; corn nearly all planted; gardens looking well; grass

very backward; light shower last night and weather has turned cool.

E. H. Powell, Alma, Kan., May 3: Wheat and rye damaged by dry weather and high winds; cannot estimate per cent of damage; corn planting commenced about a week later than previous years; cut worms have injured alfalfa crop considerably; good rain last night, which will offset some of the damage done by high winds and dry weather.

Howard Burringer, agent Strong Grain Co., Bartlett, Kan., May 2: Crops of all kinds looking well; wheat and oats promise the best we have ever had; quoted at 103 per cent; have had rain sufficient for all purposes; about all grain moved out; waiting for development of promised crop; should they mature automobiles wouldn't be in it; farmers wouldn't be satisfied with anything short of flying machines.

B. F. Snider, agent A. J. Poor Grain Co., Winona, Kan., May 5: Owing to lateness of spring and insufficient moisture wheat has little or no growth; with copious rains 50 per cent will make 10 bushels to the acre, 25 per cent will probably pay for cutting and threshing; the other 25 per cent will be plowed under for next year's seed; all spring grains have not made sufficient growth to report condition.

J. S. Newcomer, Natoma, Kan., Apr. 23: Fifty per cent of wheat will be plowed up; much of this voluntary; one-fourth of remainder somewhat yellow; balance fair and will make fair crop if we have rain within a week; need some rain every week to make crop; rainfall extremely light for several months and subsoil very dry; wells going dry in this vicinity which have never failed before; must have rain soon.

A. Ferrell & Sons, Attica, Kan., May 2: Wheat crop needs rain; continuous high winds have dried the ground out and every day looks more discouraging; no matter how soon rain comes or how much, will not be over 40 per cent of last year's crop; even best fields will not bear inspection; do not look right; backward in growth and unhealthy looking; large acreage of corn planted; oats none too good; but adversity never discourages a Kansas farmer; if he fails in one thing, tries another.

Grain Inspector S. P. Broughton of St. Joseph, Mo., on his return last week from a 10 days' trip thru southern Nebraska, northern Kansas and into Oklahoma, said: Riding through all that gale of wind and dust one could hardly see fifty feet from the train, at times, in the worst of it. I could not see the sun at all for two days, and at no time could we see fifty yards from the train. Grain looks hopeful still. With a fair amount of moisture from this on, the prospect indicates a 60 per cent crop, or perhaps better.

The Hunter Milling Co., Wellington, Kan., May 3: Growing wheat in very critical condition; 30 per cent been plowed up and farmers plowing right along; remaining wheat 25 per cent of a stand; under most favorable circumstances will not make over 25 per cent of a full crop; unless we have rain within next ten days will have no wheat; slimmest prospects in Kansas for last ten years; subsoil very dry; soft wheat already headed out about 8 inches long; hard wheat beginning to show indications of heading; about six or seven inches high, but very thin on ground.

R. H. Braden, Washington, Kan., May 3: Wheat acreage increased about 20 per cent; condition Apr. 1 practically



perfect, from 90 to 100 per cent, but have had but about one inch of rainfall since the snow on Mar. 18, and very windy, unfavorable weather in April; last few days very hot, 90 degrees in shade, with very high wind, and wheat practically gone; impossible to have more than 20 per cent of crop with plenty of rain; three days more of this kind of weather will finish it; some indication of rain to-day; oats nearly as bad; soil blowing and drifting badly; corn planting nearly half done, but unsatisfactory, as furrows are drifting full in many places, and crop will come up uneven unless it rains; pastures are starting slowly.

H. L. Kunce, Winfield, Kan., May 2: Wheat acreage increased 25 per cent; plowed up and put to other grain in Cowley county 35 to 40 per cent; condition of remainder 50 per cent; Sumner county plowed up about 20 per cent, condition of remainder 50 per cent; Kay county, Okla., plowed up 15 per cent, condition of remainder 70 per cent; condition has deteriorated about 10 points during the last ten days, although weather conditions have been favorable, as it was left without the proper vitality of root to force growth and mature crop; planting of wheat land to corn and forage crops still going on; acreage may be materially reduced. Corn acreage increased about 25 per cent over last year; planting mostly done and cultivation begun; farmers report good stand; weather so far favorable, although soaking rains are needed to wet up subsoil. Oat acreage increased from 40 to 50 per cent; condition fair; crop doing well; at present indicate full crop.

#### KANSAS LETTER.

A. Aitken of St. John, Kan., left last week for a western trip to remain some thirty days.

Spaulding & Thompson, engaged in the grain business at Seneca, Kan., have been succeeded by Thompson, Burberry & Kramer.

C. W. Hoyt, grain broker of Topeka, Kan., has returned from an extended visit in Oregon and California. Mr. Hoyt reports a splendid trip.

Among the injured in the Union Pacific wreck occurred in North Topeka, May 7, caused by a collision of a regular and special train, was H. W. Kueker of Niles, Kan. Definite information as to his condition has not been received, but the last report is that Mr. Kueker received a very severe injury in the head.

A general meeting of the members of the Kansas Grain Dealers Association will be held in Wichita the afternoon and evening of May 20. As there is also to be a meeting of the members of the Southwestern Millers Club in Wichita the same date, arrangements will be made for a joint meeting of the two associations the afternoon of the 20th. An interesting and profitable meeting is anticipated.—A. M. D.

#### MICHIGAN.

Mr. Hurd, Munro, Mich.: Wheat very nice; large crop in promise.

An elevator is being built for the Ward-Darrah Co. at Big Rapids, Mich.

W. C. Jones of Meade, Mich., is thinking of erecting an elevator at Washington, Mich.

B. D. Jones is contemplating building an elevator and warehouse at New Haven, Mich.

The Ruth Elevator Co. of Ruth, Mich., will enlarge its plant and put in some new machinery.

A new 36 by 40 feet grain elevator, to

be operated by a 15-h.p. gas engine, will be built at Burr Oak, Mich.

N. A. Parham, formerly in the grain business at Mendon, has entered the same line at Kalamazoo, Mich.

The Michigan Milling Co. has let the contract for a new elevator to replace the burned one at Oak Grove, Mich.

At Woodland, Mich., the elevator owned by L. Faul is being repaired and an improved Hall Grain Distributor installed.

The Michigan Central R. R. is building a new depot and elevator at Mattawan, Mich., in place of the one burned last winter.

Eli Wise, Paw Paw, Mich., May 5: Wheat and rye looking fine; meadows looking well; plenty of rain and fine weather for growing crop.

F. A. Bickle, Sanilac Centre, Mich., writes: It is rumored that Eber Harneden of Brown City will build an elevator at Sanilac Centre this year.

The Rockafellow Grain Co., Ltd., of Carson City, Mich., commenced to erect a 10,000-bushel grain elevator at Vickeryville, Mich., which will be operated by a gasoline engine.

The hay sheds and elevator belonging to James Lindsay at Smith's Creek, Mich., and containing considerable hay and grain, were destroyed by fire May 1, causing a loss of \$6,000.

The Huron Milling Co., Harbor Beach, Mich., May 2: Cold, backward spring so far; no growth; winter wheat looking well, but not growing; farmers busy seeding spring crops.

Wm. B. Knickerbocker of Albion, Mich., is charged by Mayor Powell of Marshall with the embezzlement of 19,000 bushels of wheat, supposed to have been in store at the time the Albion Milling Co. failed in 1896.

Chas. Wilson, who has been employed in the elevator at Browns City, has gone to Marlette, Mich., where, with his brother, Thomas, he will establish the firm of Wilson Bros., to handle hay, beans, clover seed and other grains.

The Standard Grain & Stock Exchange, an alleged bucket-shop at Detroit, Mich., conducted by Wm. E. Cook, has been closed thru the attachment of the proprietor's \$400 bank account by several successful speculators to whom \$2,068 was due.

Wheeler & Lown, Pulaski, Mich., May 1: Many pieces of rye look bad; our wheat crop does not look very promising, but better than one and two years ago; wheat very small for this time of the year; extra large acreage of corn being planted.

The new grain elevator which is being erected at Sanilac Centre, Mich., will be operated by the Bickle Elevator Co., Ltd., composed of F. A. Bickle, chairman and treasurer; Jas. McCaren, secretary; Wm. Dawson, vice-chairman; O. A. Munn and A. E. Sleeper. Capital, \$10,000.

Ruth Elevator Co., Ruth, Mich., May 2: Crop outlook good; wheat in fine condition; weather has been dry, but lately have had nice showers, which improved crop very much; oats being sowed; acreage 50 per cent larger than last year; corn and potato acreage 25 per cent larger.

A. G. Wilkinson, who has been employed in the elevator at Clifford, Mich., for two years, has accepted a position in another line of business at Saginaw, Mich., and has moved to that place. A large number of their friends and neighbors gave him and his wife a pleasant surprise shortly before their departure.

#### MINNESOTA.

John James will build an elevator at Reading, Minn.

McGlin Bros. are building an elevator at Kinbrae, Minn.

Several cars of flaxseed recently were shipped from Chicago to Duluth, Minn.

The repairs to the Citizens' Elevator at Montrose, Minn., have been completed.

The Dawson Produce Co., Dawson, Minn., is expected to build a steel storage tank.

Otto Lohrke & Co., grain exporters of New York, have given up their Minneapolis office.

M. N. Zeches, Claremont, Minn., May 3: Crops of all kinds are looking fine; plenty of rain.

Geo. H. Wallace, Navan, Minn., Apr. 28: Seeding is very backward on account of wet weather.

The Peterson Grain Co. has been incorporated at Sacred Heart, Minn., with \$50,000 capital stock.

J. D. Wood, Worthington, Minn., Apr. 7: Heavy rains have put the crop in the best possible condition.

Murray & O'Brien, Collis, Minn., May 2: Crops very promising; recent rains have started all the seed.

The Farmers Elevator Co. of Glencoe, Minn., is negotiating with the railroad for a site for the new elevator.

J. H. James will build at once at Reading, Minn., on the B., C. R. & N. R. R., a 25,000-bushel cribbed elevator.

Theo. Terhune, Easton, Minn., May 7: Crops looking better since the rains and not damaged as much as expected.

Thos. Gribbin of Vesta, Minn., recently purchased an improved Hall Grain Distributor for his elevator.

The Van Dusen Elevator Co. is building a brick office at Morgan, Minn., and will put in a 6-h.p. gasoline engine.

D. H. Fulton, Ada, Minn., May 1: Prospects poor; little or no seeding done; backward weather, rain and snow.

The Minnesota Grain Inspection Department is said to contemplate charging more for the inspection of large cars.

The estate of the late F. H. Peavey has been appraised at \$3,774.00, mostly elevator property, with considerable bank stock.

Walter Bemis of Kenneth, Minn., is to be traveling auditor for the firm of Howard & Bemis, with headquarters at Edgerton.

Duluth commission merchants contemplate establishing the dealing in oats for future delivery. The cash trade is considerable.

At Correll, Minn., the Farmers Elevator Co. has discontinued, and the Lake Preston Milling Co. has engaged in the grain business.

Mr. Sheffield of Faribault, Minn., has bot the elevator at Randolph formerly operated by E. M. Walbridge and will open the house.

T. S. Thoreson, Dawson, Minn., May 2: Never had better prospects; plenty of moisture, and temperature just right. Look for bumper crop.

The Cannon Falls Farmers Elevator Co. has been incorporated, with \$15,000 capital stock, by John Wickey and others of Cannon Falls, Minn.

Chas. Cleveland will succeed T. B. Wallace as manager of the elevator at Medford, Minn. The latter will take a similar position at Faribault.

The firm of Martin & Wyman, Minneapolis, Minn., has been dissolved. The partners have formed two firms, known as Joseph H. Martin and C. C. Wyman & Co.



The Edmonds-Londergan Co., Steen, Minn., is building a large lumber shed, with a view to handling lumber and machinery in connection with the grain business.

F. E. Dierner, agent Dakota Elevator Co., Barnesville, Minn., writes that the Dakota Co. is building a new elevator to take the place of the one burned at Lawndale, Minn.

Mr. Douglas and Mr. Pike of the Midland Linseed Oil Co., Minneapolis, Minn., recently visited Winnipeg, Man., to investigate prospects for the oil business in Manitoba.

J. S. Thoreson, grain buyer at Dawson, Minn., was fatally injured Apr. 28 by falling with a loading spout, which broke down when he climbed out on it. He left a wife and seven children.

Charges of soliciting a bribe have been made against I. B. Mead, deputy grain inspector of the Minnesota Grain Inspection Department, and are being investigated by Commissioners Staples and Miller.

Mel Finton, manager for G. A. Swan at Albert Lea, Minn., Apr. 28: Deliveries continue extremely light; the two mills are shipping in wheat. The good, soaking rain was badly needed, and farmers are jubilant.

H. Uglem, Dawson, Minn., Dawson, Minn., May 2: Prospect could not be any better; fields have a good start; nice rain right along. Acreage of wheat a little less than last year; flax a little more; more barley, corn and oats.

Jas. Glasgow, Barnesville, Minn., Apr. 29: Seeding progressing favorably, with 70 per cent of wheat and oats in; decrease in acreage of wheat 7 per cent; increase in oats 30; increase in flax 10. More corn and barley than formerly.

J. G. Groehler, agent Pacific Elevator Co., Clarkfield, Minn., writes that his company is building an elevator at Boyd and that the Great Western Elevator Co. has built a new engine house and put in a gasoline engine at Clarkfield.

B. M. Larson, agent Minneapolis & Northern Elevator Co., Comstock, Minn., May 4: Will not have any wheat in the Red River Valley the way it looks; one-third seeded and part of that is getting rotten; weeds doing well; cold and wet.

E. A. Burrage, secretary of the Southern Minnesota and South Dakota Grain Dealers Association, has compiled reports showing that in 35 counties the area sown to wheat has decreased 19.9 per cent, while the acreage of oats has increased 8 per cent and that of corn 11 per cent.

Creditors of the St. Paul & Kansas City Grain Co. were asked to appear before Judge McGee at Minneapolis, Minn., May 10, to show cause why certain creditors should not have preference. Holders of the company's warehouse certificates claim their liens must first be satisfied.

Rates on grain and grain products from Minneapolis to Chicago were raised May 6, effective May 26, from  $7\frac{1}{2}$  to  $12\frac{1}{2}$  cents per 100 pounds. The advance is felt most severely by the northwestern millers, whose shipments are not wanted by Lake Superior boats, except at a big advance over grain.

Thieves who sweep cars at Minneapolis, Minn., are being summarily dealt with under the new ordinance passed by the council at the request of the state railroad and warehouse commission. Any person found prowling about any grain car is taken up by the police before the municipal court and fined.

A. C. Ridenour, agent Western Grain Co., Apr. 28: Rain placed soil in fine condition. Only 10 per cent sowed to wheat this spring; about the same in oats and barley as last year, and corn will increase about 10 per cent, making corn about 30 per cent of the acreage.

Recent changes in the general officers of the Peavey Elevator Co., at Minneapolis, Minn., are the election of W. H. Chambers as general manager in place of F. B. Wells, resigned; election of T. E. Hawkins as secretary in place of Geo. W. Peavey, resigned, and the appointment of R. T. Evans as superintendent, with headquarters at Minneapolis.

## MISSOURI.

Parkville Milling Co., Parkville, Mo., May 2: Wheat has depreciated some by reason of dry weather.

R. O. Pixlee, Osborn, Mo., Apr. 30: Crop outlook not encouraging; some wheat being plowed up; acreage of corn will be large.

A. S. Gilson, Peculiar, Mo., May 1: Prospect was never better for wheat; it looks fine; not much sown; ground fine; large acreage corn.

Members of the St. Louis Merchants Exchange are considering a proposition to make the McReynolds and the Rogers elevators regular.

The Des Moines Elevator Co. has let the contract for the new 175,000-bushel cleaning and transfer elevator at Moberly, Mo., to the John S. Metcalf Co.

The plant of the Atlas Oats Co. at Kansas City, Mo., is to be enlarged, A. W. Wright, a large stockholder, having purchased adjoining ground for the improvement.

Richards Hay & Grain Co., Richards, Mo., May 2: Prospects good for wheat, corn, flax, timothy and prairie hay; oats not good, and acreage small; good rain, need more.

The Hobart Mill & Elevator Co. has been incorporated at Hobart, Mo., to buy and sell grain. Capital stock, \$25,000; incorporators, A. J. Pepper, John Graves, L. A. Miller and others.

J. P. Leiss, Jasper, Mo., Apr. 24: Drouth broken in this section this morning; wheat never looked any better; corn all planted and a good portion up; stock came thru winter in good shape.

The A. J. Poor Grain Co. writes that the Kansas City Grain & Seed Co. is building a 4-story warehouse, with elevator 50x100 feet, on the M., K. & T. and Frisco tracks at Kansas City, Mo., to be completed by the latter part of July.

The Parkville Elevator Co., soon to be incorporated at Parkville, Mo., is preparing to build a 40,000-bushel house this summer; on the gravity system, to be equipped with improved machinery. The house will be on the Burlington Ry. and will be operated in connection with the Parkville Milling Co.

## NEBRASKA.

W. F. Barstow of Lincoln is rebuilding his elevator at Fowler, Neb.

The Jaques Grain Co. will rebuild or repair its plant at Burwell, Neb.

Chas. Peavy contemplates building a tank storage plant at Beatrice, Neb.

W. M. Van Buren & Son, formerly at Shickley, have removed to Fairbury, Neb.

O. L. Campbell, Upland, Neb., agent H. Gund & Co., April 28: Wheat looks fine, and with good rains yield will be large.

H. Gund & Co., Upland, Neb., contemplate building 5,000 bushels more storage.

J. W. Anderson, grain dealer at Stromsburg, Neb., has bot the Stromsburg Cereal Mills.

Roberts Bros., Cozad, Neb., write that they have sold their business to F. Fox of Lexington.

Ole Hanson has purchased the elevator formerly owned by Schenck & Johnson at Bookwalter, Neb.

The Duff Grain Co. of Vesta, Neb., is repairing its elevator and installing a 6-h. p. gasoline engine.

E. S. Miller has sold his grain interests at Beatrice, Neb., and will operate a feed mill at Kansas City, Mo.

Robertson Bros., of Cook, Neb., will put in a new sheller and dust collectors, and are painting their elevator.

H. O. Barber & Sons have sold their elevator at Hampton, Neb., to Wells-Hord Grain Co. of Central City.

J. J. Shannon, agent Central Granaries Co., Beatrice, Neb., May 2: Wheat beginning to suffer for want of moisture.

On account of business changes made by Kyd & Co. John Dobbs has discontinued his grain business at Rockford, Neb.

Houghton & Foster have bot the elevator of the Farmers Business Association at Bertrand, Neb., paying \$7,000 for it.

Some of the grain men in the vicinity of Beatrice, Neb., are suffering from grain thieves, one having a whole load of corn stolen.

An elevator for the Jaques Grain Co. is now under way at Farwell, Neb. It is smaller than the old one which it replaces.

John Ridgway, Syracuse, Neb., May 6: Good 2-inch rain; wheat damaged 30 per cent from dry weather; corn planting under way.

C. S. Benning, agent, Peavy Elevator Co., Bloomington, Neb., May 2: Outlook for crop very good; rain last week and things doing well.

D. Smith, Elmwood, Neb., May 7: Nice rain May 5; winter wheat looks fine, and the rain will bring oats to the front, which looked sick.

J. W. Bailey, Brock, Neb., has leased the Greenleaf-Baker Grain Co.'s elevator and will operate it as J. W. Bailey & Co.

The Kinsella Grain Co. has been incorporated at Lincoln, Neb., with \$125,000 capital stock. Incorporators: W. E. Kinsella, Edward Tortirill and J. R. Brown.

The Torpin Grain Co. has been incorporated at Oakdale, Neb., with \$50,000 capital stock. Incorporators: Henry Torpin, C. H. Torpin and Charles G. McDonald.

The Milmine-Bodman Grain Co. has succeeded Jerry Delaney at Saronville, Neb., having paid \$30,000 for the elevators at Saronville, Sutton, Clay Center and Harvard.

Thos. F. Keller has overhauled his elevator at Manley, Neb., and put in a 9-h. p. Foos gasoline engine a Bowsher feed mill and increased storage capacity to 20,000 bushels.

David Black, Spring Ranch, Neb., writes: Please discontinue my ad as I have plenty of correspondents. I think I will make a sale of the elevator. If I do the Journal did it.

John L. Hoffman, Abie, Neb., agent Nye & Schneider Co., May 3: Crops nothing extra except winter wheat; other grain thin and suffering from dry weather; good rain would be appreciated.



A. V. Pruyn, Axtell, Neb., May 6: Half the cultivated land is in winter wheat, which looks fine; small per cent in oats and spring wheat, and is damaged by dry weather and worms; good rain.

R. T. Anthony, agent, Blue Springs, Neb.: Wheat crop not very flattering; needing rain badly; if it comes within a week will redeem wheat; very little corn planted yet; oats very backward.

J. R. Alderman, Burwell, Neb., May 3: Crop prospects not as favorable as usual on account of cut worms working in wheat, rye and oats; winter wheat looks good where worms have not worked.

G. H. Holm, agent, Central Granaries Co., Wolbach, Neb., May 3: Fall grain looking good; spring wheat and oats very backward on account of cold weather and lack of moisture; corn planting commenced.

The Hayes-Eames Elevator Co. has succeeded to the business of Geo. S. Hayes & Co., at Hastings, Neb. Geo. S. Hayes and Milo D. Eames, who composed the old firm, are the members of the new.

J. B. Austin, Orleans, Neb., April 23: Wheat prospects have been very good; beginning to get dry; acreage 50 to 60 per cent greater than last year; the greater portion being fall wheat; considerable rye sown.

H. R. Trocke, Arlington, Neb., May 3: All growing grain in fair condition in spite of dry weather which will do considerable damage unless rain falls in a week; oat and wheat acreage about the same as last year.

C. V. Beeman, agent Wells-Hord Grain Co., Rogers, Neb., May 6: Winter wheat and small grain looking fine; pasture and hay in good condition; corn planting progressing finely; ground in excellent condition; several fine rains.

F. L. Proley, agent for Evans & Hare, Alvo, Neb., May 2: Growing grain looks exceptionally good; good rain within next ten days will insure good crop of wheat and oats; about 2,000 acres wheat and 1,500 to 1,800 acres oats.

Robideux Bros., with J. M. Sewell & Co., Benkleman, Neb., May 3: Present outlook all O. K.; ground in first-class condition; very little small grain sowed but plenty of corn will be planted; trade good; times are good here.

The Central Granaries Co.'s agent at Wilsonville, Neb., writes, May 5: The growing crops the best in the history of the county, except rye; it is very poor; wheat 90 per cent; not much oats; corn planting well on; fine rain.

The Blue Springs Farmers Elevator Co. bought the Nebraska Elevator Co.'s elevator at Blue Springs, Neb., April 19, and is doing a fine business. The company expects to repair and improve its elevator during the summer.

Charleston, Neb., Wm. Otto, May 2: Very dry; rye holding out but only about eight inches high; oats no good except those drilled in, which look fairly well; unless it rains in a few days will do no good for small grain and wheat.

Wells, Abbott & Nieman of Schuyler, Neb., write that the Wells-Hord Grain Co. of Central City has bought the Haley-Folda elevator and began business May 1. E. F. Folda has leased the B. & M. elevator and April 15 took possession.

O. H. Eggleston, Rising City, Neb., April 24: Wheat acreage about 25 per cent larger than last year; looking well; oats rather thin on account of want of rain; acreage smaller than last year; good general rain would be greatly appreciated.

J. E. Cox, Cairo, Neb., May 2: Ground getting dry on top but subsoil in good shape; wheat looking well, but needs rain to start it growing as it is pretty short; no wheat here killed during winter or spring; oats not doing very well; not enough rain to start them all.

Hiram Marshall, Overton, Neb., April 23: About two-thirds of land in cultivation in Dawson county sown to fall wheat and rye, principally rye; about one-third rye acreage winter killed; a kind of army worm doing much damage to growing grain which needs rain badly; winter killed rye is being plowed up and planted to corn.

H. C. Asay, agent, Omaha Elevator Co., Odessa, Neb., April 23: Acreage of fall grains about three times that sown last year; condition very good at present but it is cold and dry; very little spring wheat being sown; oats and spring wheat coming up slowly; most of farmers ready to plant corn but waiting for warmer weather.

D. C. Reitz, agent Central Granaries Co., Waverly, Neb., May 2: About 40 per cent of farming land in this vicinity in small grain, wheat and oats; wheat suffering some for lack of moisture; estimate not more than 60 per cent of full crop; oats will be total failure unless it rains within ten days; very poor stand owing to lack of rain.

W. E. Worthington, Aurora, Neb., May 3: Wheat acreage increased 10 per cent over last year; corn crop that much less; oat acreage same as last year but very small; wheat looks well here, better than in other counties, as weather is very dry; corn planting not commenced; not enough rain to bring oats forward as they should be; taking everything into consideration crop prospects are not what they should be.

W. C. Moore & Co., Angus, Neb., May 6: About 80 per cent of the tilled land was planted to wheat, most of which came thru the winter fairly good; but since March 15 has been going back, high winds and dry; now promises, with favorable weather, 40 per cent of last year's crop. Corn planting very generally commenced this week; poorest wheat ground will be planted to corn; oats uneven, not looking well, acreage small.

J. W. Modesitt, Alda, Neb., May 2: In 25 near sections 6,250 acres wheat in fair condition; 4,000 acres oats, never were poorer at this time of year; corn, 5,000 acres, just begun to plant; 500 acres of potatoes, just beginning to come up; pastures and all crops needing rain badly; quite a wind been blowing from southeast and west; outlook for oats not one-half of average; prospect for gardens very poor; cut worms never were so plentiful.

A. Keeshaw, agent, H. O. Barber & Sons, Oxford, Neb., April 22: Winter wheat acreage about 25 per cent larger than ever before and, excepting few fields injured by worms, looking extra well and showing larger growth than usual at this season; of spring wheat, oats and barley, very little sown, less than usual; what there is growing and looking well; little corn planted; strong wind began blowing last night and still blowing, will be very drying to ground.

The Hon. J. Sterling Morton, known to the public as secretary of the department of agriculture under the Cleveland administration, died April 27 at the ripe age of 70 years. He was a practical farmer most of his life, was connected with the Nebraska City Cereal Mills, the

Morton Grain Co., and identified with starch manufacture. He led the movement to establish Arbor Day, and actively opposed the free seed distribution which had been abused by congressmen.

C. C. Beach, agent, Evan & Hare Grain Co., Prairie Home, Neb., April 22: Winter wheat in fine condition, looks well; large acreage sown; oat crop late and backward on account of dry weather and high winds; some light showers but not enough to keep dust from blowing badly; usual acreage of oats sown; will be large corn acreage; very little barley and rye; spring wheat an entire failure last year and very little sown this year. Not much grain to spare; some old corn and wheat; had poor corn crop last year; fall wheat was best crop we had, yielding from 20 to 45 bushels to the acre; winter wheat about 59¼ cents, corn 55½, oats 38 cents per bushel.

#### NEBRASKA LETTER.

Terwilliger & Dwight Co. of Sioux City and Titus Bros. of Holdrege have recently joined the Nebraska Grain Dealers Association.

The F. J. Campbell Co., operating the Weare Commission Co.'s branch in Omaha, are doubling their office room, present quarters being too small to accommodate their largely increased business.

The Terwilliger & Dwight Co. of Sioux City have recently bought the elevator formerly operated by O'Flaherty Bros. of Dixon. This gives this company four elevators in Nebraska on the Great Northern Railroad, as follows: Randolph, Belden, Dixon and Laurel.

Kyd & Co., who operated a line of sixteen houses on the Burlington railroad, recently made sale of these elevators to the Central Granaries Co. of Lincoln. Consideration \$40,000. These elevators were located at Pawnee, Filley, Crab Orchard, Rockford, Putnam, Burchard, Armour Junction, Odell, Fitzgerald Siding, Kesterson, Endicott, Thompson, Byron, Smyrna, Strang and Hoag. Since making the purchase the Central Granaries have resold Crab Orchard, Filley and Rockford to the Hayes-Eames Elevator Co. of Hastings, and Pawnee to Cooper & Linn of Humboldt, and Armour Junction and Burchard to P. S. Heacock of Falls City.

The Nebraska-Iowa Grain Co., with capital stock of \$100,000, was recently organized at Omaha. The company have already acquired elevators at Sutton and Lyman, Neb., and Farragut, Ia. They will also operate a lumber yard at Sutton, in connection with their grain business. This company is a particularly strong one financially; the incorporators are K. C. Morehouse, formerly general freight agent of the F., E. & M. V. R. R.; Floyd J. Campbell, manager of the F. J. Campbell Co., who operate the Weare Commission Co. in Omaha; Euclid Martin, a wholesale implement dealer; E. M. Andreeson, wholesale hardware, and C. Pickens, manager for Paxton & Gallagher Co., wholesale grocers. The company intends to add to its line of elevators as rapidly as they can be bought at reasonable figures.—E. C.

#### NEW ENGLAND.

Meanbec Achorn will engage in the grain business at Waldoboro, Me.

Boston fire underwriters have turned down the recommendation of a committee for an advance in the rate on grain elevators of 25 per cent.



## NEW YORK.

C. Rupert & Sons, dealers in grain and produce at Newark, N. Y., have opened a branch office at Lyons.

Churchill & Co., Buffalo, N. Y.: Discontinue our advertisement, it having enabled us to sell the Foos mill.

The Rose Wheat Co. has been incorporated at Lyons, N. Y., to manufacture cereal foods. Capital stock, \$10,000; incorporators, J. A. Rose and others.

The M. B. Jones Co. has been incorporated at New York, N. Y., to deal in grain and vegetables. Capital stock, \$1,000; incorporators, M. B. Jones and others.

Torbert & Weber, Farmer, N. Y., recently suffered small loss by the burning of their building used for cooking beans, near their bean elevator.

C. W. Pearson Grain Co., Rochester, N. Y., April 24: Trade quiet; coarse grains too high for good local trade; New York state winter wheat usually in fair condition; too early to predict.

The Wells elevator at Buffalo, N. Y., was burned at midnight, May 4, causing \$275,000 loss on grain and building. A loud explosion was followed by the bursting out of flames on two opposite sides of the roof, and before the firemen appeared the whole interior was ablaze. Nothing could be done, except to save the nearby Wilkeson elevator, which escaped with a bad scorching.

Trading in grain for future delivery on the Buffalo Merchants Exchange began May 1 with a volume of business somewhat larger than expected. Transactions are in 1,000-bushel lots and multiples thereof; and the grades deliverable on contracts are No. 1 northern spring wheat, No. 2 red winter wheat, No. 3 yellow corn; natural No. 3 white oats; No. 2 white clipped oats; and No. 2 rye. Commissions are 1/8 cent per bushel. The Merchants Exchange having installed direct wires to other markets Buffalo now is the only city between New York and Chicago receiving the direct quotations. The location of Buffalo in the course of the vast stream of grain pouring from the west to the east makes it a very safe market for large transactions on either the buying or selling side. Elevator capacity is ample. The Buffalo market has several other features to attract both consumer and speculator.

## BUFFALO LETTER.

Car grain has fallen off more this spring than it usually does on the opening of the lakes, the inspection showing only 28 cars one day lately.

Chief Grain Inspector Shanahan reports for March 1,082 cars inspected on track and 1,433 cars out of elevator during March. Corn is light, but is coming through in especially good condition.

The steamer Hutchison is coming down from the Canadian port of Fort William with wheat, but got ashore in Lake Superior, so that it is feared she has wet grain on board, in which case it will be hard to dispose of it.

The complaint is still that there is no red wheat to be had and not much but northwestern spring wheat to put in its place. If there was any white at all, even from Oregon, it would be easier, but there is not even a bit of hard Kansas to be had as a rule.

Most of the city malt houses are either shut down or preparing to close for the summer, as barley is so scarce and high that nothing but the pneumatic houses can run at a profit. The new Curtiss house is running on corn. The maltsters have made a strong plea before congress

favoring the reduction of the barley tariff.

The John Kam Malting Co. is preparing to open its new pneumatic and electric house about the middle of the month. It has a capacity of 1,500,000 bushels a year and will be run this summer, as it is claimed that the process is so much cheaper than others that money can be made in spite of the excessive price of barley.

A syndicate of grain dealers and others are preparing to build a new track elevator at Black Rock to take care of the car grain that comes in over the roads through Canada: Grand Trunk, Michigan Central and Wabash. The increase of local grain sales of late has made these elevators very necessary, those on the lines of the Lake Shore and Nickel Plate in the city doing a large business.

Geo. H. Phillips and his Milwaukee partner, Leo. Stern, were on 'Change last week and both bought memberships. Mr. Phillips will also become a member of the new option clearing house and has stated his intentions of opening a branch office here. He does not mean to leave Chicago, though, by any means, as he has a special reason for staying there. He said to some of the grain dealers here that he had not been treated fairly there and that he was not pleased with the way business was done in grain and was going to purify the board before he was through with it.—J. C.

## NORTHWEST.

Osborne & McMillan will build an elevator at Minot, N. D.

The Great Western Elevator Co. will build an elevator at Troy, S. D.

The Atlas Elevator Co. will erect an elevator this summer at Rockham, S. D. Jessen & Lang, Northville, S. D., April 28: Crop prospects good; plenty of moisture.

The interstate grain palace exposition building at Aberdeen, S. D., on April 28 was burned.

The National elevator, which is being built at Crystall, N. D., will have a capacity of 30,000 bushels.

A 40,000 bushel grain elevator will be erected by the Farmers Elevator Co. this summer at Hatton, N. D.

J. A. Rickert has improved his elevator at Sisseton, S. D., by adding a flat house for seeds and coarse grain.

Jessen & Lang of Northville, S. D., may make some alterations in their plant and put in new machinery.

The Powers Elevator Co. will build elevators at Eldridge, Melrose, Medora, Windsor and Spritwood, N. D.

J. M. Moore, grain dealer, formerly with the Marfield Elevator Co. at Monroe, S. D., died recently at Canastota.

C. W. Derr, Turlon, S. D., May 3: Seeding about three-fourths completed; wheat just coming up; plenty of moisture.

The elevator which is being built by Hart & Manson at Egan, S. D., will have a capacity of 24,000 bushels and cost about \$4,000.

The White Elevator at Perth, N. D., containing 3,000 bushels of grain, was recently wrecked, causing Mr. Laird a heavy loss.

F. W. Wheeler, Scotland, S. D., May 2: Crop prospects good; small grain in and growing; corn planting will commence May 5.

C. W. Derr, Turlon, S. D., writes that the Atlas Elevator Co. will build new coal sheds and office in connection with its elevator at that place.

Thomas Strandness of Bristol, S. D.,

who before owned elevators at Lily, Butler, Bristol and Putney, S. D., has recently purchased another at Bradley.

J. C. Grandin, Jr., of Blanchard, N. D., writes that he may put a gasoline engine and attachments, in place of the present horse power, and cleaners in his plant.

The Dell Rapids Elevator Co., Dell Rapids, S. D., has recently received from the Marseilles Mfg. Co. one of the latter's new process warehouse shellers and cleaners.

Notwithstanding the fact that Sisseton, S. D., has seven elevators and one good flouring mill, the farmers of the vicinity contemplate erecting an elevator of 60,000 bushels capacity.

Miller Bros., Miller, S. D., April 28: Grain seeding progressing nicely; wheat about two-thirds in, 75 per cent of oats sown; no barley and millet planted yet; has been very wet; good promise for largest harvest.

A. F. Danielson, Hatton, N. D., May 2: Owing to late, wet spring to start wheat and later excessive rains acreage will cut down one-third; with favorable weather from now a great deal of this will be seeded to flax.

W. O. Basford, Troy, S. D., May 3: Farmers through sowing wheat and oats; early sowed grain is up and looks well; farmers able to put in grain better this year than for the last five years; prospects never better than at present.

F. L. Wheeler of Scotland, S. D., will enlarge the capacity of his elevator about 5,000 bushels, making the largest, most complete and convenient elevator in the town. He recently put in a direct loading spout which does away with getting into the cars while loading.

J. C. Gapp, Salem, S. D., May 3: Two soaking rains all over this section of state put ground in fine shape for all growing crops; wheat, oats and barley are up and looking fine; corn planting will be done during the next two or three weeks; think corn acreage will be increased 10 per cent over last year.

Agent Farmers Union Elevator, Sisseton, S. D., May 5: Country tributary to Sisseton has been highly favored by rains; ground in fine condition for all small grain; seeding about finished; all early grain looking fine; prospects never better for a good crop. Wheat acreage decreased about 10 per cent; corn acreage increased correspondingly.

T. A. Bryan, representative of the Weare Commission Co., and its correspondent, the McNeil Grain Co. of Sioux City, was at Yankton recently to consider the advisability of establishing a branch office of the former company at that place. His report was favorable. P. B. Weare, the president of the Weare Commission Co., which is one of the oldest grain commission houses, was a resident of Yankton over 35 years.

J. C. Schmidt, secretary Farmers Grain & Coal Co., Salem, S. D., May 5: Crops just fair; wheat coming up rather thin as seed was poor, owing to winds last season, which shrank grain so that it has not as much vitality as usual; cold weather also retards growth; acreage decreased 20 per cent; corn and barley acreage increased correspondingly; small grain seeding finished; farmers plowing for corn; corn planting four or five days later than usual; heavy rains all day Saturday and to-day: about two and one-half inches fell; very little flax will be sown.

A. Rasnsson, agent N. W. Elev. Co., Ranville, S. D., May 3: About 3,000 acres tributary to this station under cultivation; 60 per cent sown to wheat, 20 per cent will be sown to flax and the



remainder about equally to barley and oats; corn crop of no consequence, farmers having from two to five acres; 10 per cent less acreage of wheat and same per cent more flax compared with last year; soil in very good condition for wheat seeding, which is about complete; good rain during the past week, which, with warm weather now, will bring growing wheat on fine, and leaves the soil in good condition for flax, which has not yet been seeded.

## OHIO.

Flack & Ash have succeeded Martin Myers at Iler, O.

An elevator has recently been completed at Cygnet, O.

H. Potee & Son talk of erecting an elevator at West Mansfield, O.

S. Shafer & Son, Croton, O., May 3: Average 65 per cent; condition good.

The Campbell-Everett Co. has nearly completed its elevator at West Milton, O. N. M. Jones of Jasper Station, O., has installed another of the Constant Chain Grain Feeders.

C. N. Adlard of Piqua has purchased the elevator at Russia, O., and will make some improvements.

A modern grain elevator with iron storage tanks will no doubt be erected at Bowling Green, O.

S. J. Rudy of Covington, O., whose elevator was burned recently, will rebuild on the C. H. & D. tracks.

H. M. Hosler has moved to Findlay, O., where he a short time ago purchased an interest in an elevator.

The Meyers & Patty Co. of Maria Stein, O., expects to add an addition to its house and put in a dump.

The Meyers & Bailey are building an elevator at Mt. Huron, O., for which N. A. Grabill has the contract.

G. O. & J. L. Cruikshank have bought land at McComb, O., and will at once erect a 30,000-bushel elevator.

The Hall & Woods Co., Lima, O., May 7: Growing crops looking fairly well; weather too cold for corn that is up.

Plank & Neal, Butler, O., May 3: Wheat hardly equal to last year; condition much better; stand fully up to average.

J. D. Spangler, grain dealer at Defiance, O., has taken his brother, Herman, as a partner, forming the firm of Spangler Bros.

Model Milling Co., Celina, O.: Crops looking good; had fine rain and prospects for corn and oats good; wheat about one-half crop.

J. G. Simmons, one of the oldest grain and seed merchants of Cleveland, O., died Apr. 22, after a prolonged illness, at his home in that city.

F. T. Sawyer & Co., Hutton, O., April 25: Wheat crop suffering somewhat for want of rain; will be enormous acreage from this year in Ohio.

Stanley Ralph, grain dealer at Fremont, O., recently fainted suddenly while walking along the street, and falling, was injured about the hips.

The consolidation of the different associations of Ohio would greatly increase their effectiveness without increasing the cost to the individual members.

J. E. Wells & Co., Quincy, O., May 6: Wheat looks well, will have average crop; corn being put in early and that says good crop; oats also look well.

W. H. Potter, East Liberty, O., May 2: Prospects for wheat good; oats up and look well; little corn planted; corn and wheat scarce and bringing Toledo prices to mills.

Giles Griswold, the pioneer linseed oil manufacturer of Ohio, died recently at Warren, O., aged 91. His estate is valued at \$1,000,000. He left no family.

The Defiance Milling Co., Defiance, O., May 5: Wheat will not exceed one-half a crop; good prospects for an exceedingly large crop of corn and oats.

E. M. Pierce, formerly foreman for Holmes Bros. at Portland, Ind., but lately employed by his brother, Charles T. Pierce, at Defiance, O., will have charge of the hay department.

W. J. Jenkins, St. Paris, O., May 5: Wheat in this section doing fine; oats need rain to insure fair crop; clover looks well, but needs rain; very little old corn in farmers' hands.

Charles T. Pierce, Defiance, O., May 3: Wheat not as good as 30 days ago; will not make 25 per cent of a crop; oat seeding well under way; good growing weather; not much grain moving.

A company consisting of J. N. Neal, H. I. Milnes and others, with \$300,000 capital stock, will erect a cereal plant at Warren, O. Mr. Milnes will act as manager and 300 men will be employed.

J. S. Calkins' elevator at Jewel O., containing 3,000 bushels of grain, was burned Apr. 23. Loss, from \$5,000 to \$7,000; insurance, \$3,000. The elevator will be rebuilt at once with increased capacity.

Franke Bros. of Fostoria, O., write that they shipped to the Isaac Martin Milling Co. the largest car of wheat ever received by that company. It weighed 103,730 pounds and contained 1,752 bushels.

The Cookville Mill Co., Coolville, O., May 3: Wheat acreage sown last fall about the same as usual; present prospects for about two-thirds of a crop; weather favorable and prospects may improve.

Cecil Grain & Lumber Co. of Cecil, O., write: Wm. Green of Cecil has sold his Woodburn, Ind., elevator to the Woodburn Elevator & Milling Co., and is erecting a 7,000-bushel house at Knox-dale, O.

P. J. Thompson of Plankton, O., has no facilities for the regular grain trade, and has been annoying the dealers in Wyandot, Seneca and Crawford counties by buying direct from farmers and peddling it out.

I. F. Raudabaugh, Celina, O., May 3: Wheat acreage about the same as last year; crop prospects about 75 per cent of last year; better farther south; only about 1 per cent will be plowed up; good deal of wheat in farmers' hands.

Ramsey & Bro., College Corner, O., May 2: Average crop sown or perhaps little more; never saw wheat look better May 1; not hurt by winter; if season is good from now on will have a good crop; not very large, but healthy and strong.

Wm. White, Climax, O., May 5: Wheat looks well; will have twice as much as last year and looks better; large crop of oats, which look well; large acreage of corn and potatoes going in; meadows look well; late rains improved things greatly.

The Meyers & Patty Co., Maria Stein, O., May 7: Prospects for wheat, oats and corn pretty fair; corn all planted and soil in fine condition for it; not very much wheat moving lately, but will before long; think about two-thirds in farmers' hands yet.

The Northwestern Elevator & Mill Co. of Toledo, O., which recently has been incorporated under the laws of Maine, with \$250,000 capital stock, will increase its storage capacity by the erection of two tank elevators of 50,000 bushels each.

Incorporators: James Berry, I. L. Fairbanks and others.

Taylor & Lawrence, Carrollton, O., May 3: Usual acreage of wheat, formed and looking well; oat sowing about finished; weather favorable for seeding and growth; no material change in acreage; no corn planted, but will be increased acreage.

E. E. Thomas, Alexandria, O., writes that H. D. Ashbrook of the firm of Ashbrook Bros. have started a branch business at Pataskala, O., and that L. A. Pearson, the new warehouse man of Johnstown, O., has been shipping from Alexandria.

The annual outing of the Ohio Grain Dealers Association will be held early in June at Put-in-Bay, O., or Star Island, Mich. It would be an excellent thing for the trade of the state if all the associations of the state would join this party. Acquaintance begets friendship, and friendship cordial relations.

C. R. Hopkins, Custar, O., May 2: Average acreage of wheat; condition until April 1 the same; since, loss by dry, cold weather will reduce it 40 per cent; on prairie lands, wheat stands much better than on timber; oats look well, nothing preventing will have average crop; ground in good condition for corn planting.

O. J. Hawkins, Collins, O., May 2: Wheat promises about one-half crop; same acreage as last year; has been going back this spring; average acreage of oats, but early sown thin and poor; late sown, good prospects for seven-eighths of average crop; plowing for corn going on with about average acreage.

D. C. Baxter, Bryan, O., May 2: Outlook for wheat less than one-half crop in Williams county; large percentage plowed up and reseeded to oats; oat acreage larger than usual; hay crop promises to be large; clover crop also looks well, not the usual amount of rain this spring, but soil seems to be in unusually good order.

C. N. Adlard, Piqua, O., May 3: Wheat looking very fine; oats coming up; too dry for pastures; need rain very badly to insure good oat crop; some corn planted; plowing all done, farmers well along with work; very little grain of any kind in farmers' hands, but will probably hold what they have until new crop is further advanced.

Owners of country grain elevators are pleased to learn that the Ohio Grain Dealers Mutual Fire Insurance Association is prospering. The Ohio dealers feel that they cannot do without the company, as the other companies in the field do not seem able to afford enough protection. The Grain Dealers Mutual is getting considerable new business, and without encroaching on any one's rights.

C. R. Hopkins of Custar, O., writes May 2: Our village suffered heavily by fire last Friday night. One elevator and various buildings were consumed. Loss: on grain, \$2,000, fully insured; on elevator, \$2,500, insured for \$2,000. Southworth & Co. of Toledo owned the elevator, which was operated by Geo. Rethinger. Mr. Rethinger's own loss was heavy, as his home was burned.

O. P. Davis & Co., College Corner, O., May 1: Throughout Butler county, O., and Union, Franklin, Fayette and Wayne counties, Ind., never saw wheat as good; larger acreage than last year; no insect life about it; plenty of moisture to carry crop through; if nothing happens will have one of the best crops ever raised; corn also going into ground in fine condition, with plenty of moisture and large acreage; very little wheat held by farm-



ers, assessors' books showing least on record and they show more corn than wheat.

Wm. M. Baer, with Fox & Hess, Coldwater, O., May 2: Wheat acreage about one-third less than last year; condition promises about one-half of last year's crop; many wheat fields plowed up and reseeded to oats during the last three weeks; if we have good weather will have large crop of oats and corn, as acreage is large; having nice growing weather now; what wheat there is looks well.

A new linseed oil mill will be placed in operation at Cleveland, O., June 1, by the Sherwin-Williams Co., paint manufacturers. The plant has 12 presses, with a capacity of 35,000 barrels per year, and is to be managed by J. D. Daniels, formerly a director of the American Linseed Oil Co., and in charge of the Buffalo branch. The flaxseed is to be stored in two steel tanks of 50,000 bushels capacity. The elevating machinery includes a marine leg.

J. W. McCord, Columbus, O., Apr. 30: Wheat and oats decidedly improved in last ten days; Ohio will show up well on this crop of wheat and regain some of her lost prestige, as we have not had a full crop of good wheat for several years; stock of old corn nearly exhausted, both from country elevators and in farmers' hands; stock of oats in farmers' hands very light; high prices had the effect of cleaning them up very close; stock of hay yet to come out very large, especially lower grades, No. 2 timothy and Nos. 1 and 2 mixed.

F. S. Hanley, Elmwood, O., May 5: Grain business rather poor here for the last year; corn has been too high to ship out and not high enough to ship in; still a good bit in farmers' hands holding for fancy prices; oats about all sold; wheat has not shipped out so close since '98. Growing wheat looking healthy; all need rain and soon, too; so little rain fell last winter that there is no water in ground; wells still low; very little dry weather can do lots of damage; ground never in better shape to get in corn; large acreage of oats and corn being put in.

The Ohio state crop report, issued May 1, states that wheat has shown no general improvement in growth or strength during the month. While there has been improvement in some counties there has been a decline in others and the general result of the month shows the same average condition, 74 per cent, as was shown on April 1. The number of counties where wheat condition is estimated as being the same as on April 1st is thirty-three; the number of counties showing an improvement in condition, twenty-one; and the number where a decline is reported, thirty-four. The greatest decline in wheat condition during April seems to have occurred in the central northern and northwest counties of the state. The weather conditions, until the last few days of the month, were decidedly unfavorable to wheat growth, there being too much cold and some damaging storms. Much of the wheat is still weak and thin and does not possess that degree of vitality that should be shown at this time, under more favorable conditions. It is not likely that the wheat can now make sufficient progress to secure a full average crop, but with good growing weather from this time forward may make a much better crop than is now indicated. The wheat area is the smallest for a number of years, but it is not thought that any great reduction in area will be made by reason of plowing up. Some wheat fields were

plowed up for other crops, more particularly in the northwest part of the state, in fields where there was little hope of a crop, but such plowing up will make no appreciable reduction of the total wheat area. The area seeded to oats compares well with the area seeded last year, being about four thousand acres in excess. While the oats area for this year is not equal to the very heavy area two years ago, it is a good strong average of a series of years. Oats, quite generally, were seeded when the ground was in good condition. The plant is up and has a good start; is reported as looking fine and prospects are promising at this time. The condition of winter barley is 75 per cent; area of spring barley sown, 89 per cent.

#### OHIO LETTER.

Columbus Grove dealers: Wheat very nice.

Minster dealers: Wheat will be nice crop.

St. Marys dealers: Wheat in good condition.

North Baltimore dealers: Wheat nice; showery.

Clutter & Long, Lima: Wheat in fine condition.

Orwick & Fink, Arlington: Crops in good condition.

Rockford and Van Wert: Wheat 60 per cent of a crop.

Bluffton Milling Co. reports excellent wheat prospects.

Findlay dealers: Condition of wheat very good; oats fine.

Robert Katter, Spencerville: Wheat condition fair for average crop.

Paulding County dealers: Only about 25 to 50 per cent of average crop.

Hoyt & Noble of Fostoria will put in power for seed cleaning this summer.

Mt. Blanchard dealers: Wheat prospects excellent; oats coming nicely.

Orwick & Fink of Arlington and C. Dirmeyer of Dunkirk, O., are new firms.

Wapakoneta dealers: Wheat coming to the front every day; will make good crop.

Chas. T. Pierce of Defiance will build hay barns at several points this year.

The A. H. May Implement & Grain Co. took possession of the elevator at New Bremen May 1.

Osgood dealers: Wheat in fine condition; oats good, mostly up; corn planting nearly over May 3.

J. H. Disher of Mendon has been adding a number of improvements to his elevator and mill.

Ohio City dealers: Wheat short; about 40 per cent of average crop; oats all in and coming up.

E. W. Huntsman: Condition of wheat good; many oats going into ground; will be large acreage of corn.

Brower Bros., Ada: Wheat in best of condition; fair acreage of oats and corn will be put in.

W. S. Reese of North Baltimore is putting in a New Western Sheller and getting ready for business.

New Bremen dealers: Condition of wheat good; oats up and nice; corn planting commenced about May 1.

Mr. Disher, Mendon: Wheat condition fair; oats sowing over with; corn planting will be in earnest by the fifth.

W. L. Bristol of Mt. Blanchard has put up a large corn crib and will soon put in a sheller, dump and cleaner.

Snyder Bros., Holgate: Wheat prospects poor; oat acreage large; much corn will be put in this week; business good.

J. M. DeWeese, Montezuma: Wheat crop will be short; about 20 per cent;

farmers planting corn; oats all in ground and coming on nicely.

Orwick & Fink of Arlington are re-flooring their boiler room and making other needed repairs. They are in the market for a wheat cleaner.

Continental dealers report wheat about one-half crop; large acreage of oats sown and coming on nicely; no corn planted on May 6; nice showers.

M. R. Brooks of Farmers Grain Co., Deshler, O.: Wheat looks good for this locality; large acreage of oats sown; plenty of corn will be planted. C. A. B.

#### PACIFIC COAST.

E. L. Perkins of Spokane, Wash., has been appointed deputy grain inspector.

The Washington state prison has sold practically all its output of grain sacks to farmers.

Wm. Jones and a leading grain dealer contemplate erecting a large factory to make grain sacks at Tacoma, Wash.

J. L. Thurston, Belgrade, Mont., writes that the Benepe-Owenhouse Co., of Bozeman, will build an elevator at Belgrade, and some of the material is now on the ground.

L. H. Woods, grain dealer of Genesee, Idaho, and a local banker, have agreed to furnish \$12,500 for the construction of a tramway to the Clearwater Short Line Railway, to be built at once.

Southern Pacific Milling Co., San Miguel, Cal., May 5: Crop conditions are fairly favorable; acreage only 25 per cent of last season on account of low prices then prevailing, and expenses too high, the cost of everything pertaining to the production of the crops being entirely out of proportion to the returns.

#### PENNSYLVANIA.

A. Dietly, dealer in grain and flour at Erie, Pa., recently suffered slight loss by fire.

Willard Brown, grain dealer and miller at Clintondale, Pa., suffered heavy loss Apr. 23 by the burning of his barn and grain warehouse, with 600 bushels of wheat.

Elmer Eby, teacher of the grammar school, has bot the grain business and elevator at Lititz, Pa., of Amos H. Bomberger, who has been in the business for 17 years.

On his return from California, Capt. John O. Foering, chief inspector of the Philadelphia Commercial Exchange, is spending some time in Colorado, and will visit Wyoming.

Brit Hart, grain dealer at Washington, Pa., is building a branch office and warehouse in another part of the city. Later he will build a two-story elevator at the same place, where John B. Hart will act as manager.

John O. Foering, ex-chief grain inspector of Philadelphia, passed through Chicago this week, accompanied by Mrs. Foering, on his way home from a three months' tour of California, Wyoming, Montana, Colorado and the West. Mr. Foering is greatly improved in health by his rest and recreation.

Surprised were the receivers at Pittsburgh when a communication was read April 23 at a meeting of the grain exchange from the Baltimore & Ohio Railroad, stating that no more hay or straw would be received by that company until its yards could be enlarged to furnish the same facilities as the Pennsylvania Road. It appears that the purchase of control over the B. & O. has enabled the Pennsylvania to do away with competition. The grain exchange contemplates



bringing the refusal to receive freight before the Interstate Commerce Commission.

### SOUTHEAST.

The City Grain & Feed Co., Columbia, Tenn., will build at once a 75,000-bushel cribbed elevator.

Gilbert Bros., Owensboro, Ky., are building an elevator 55 feet high, adjoining their mill.

J. E. M. Milling Co., Frankfort, Ky., May 5: Late rains improved appearance of fields; wheat looking thin and backward.

Automatic sprinklers saved the Cumberland mill at Nashville, Tenn., from burning recently. The damage was \$25, mostly by water.

W. E. Logan, Asheville, N. C., May 3: Wheat crop in western North Carolina is almost a complete failure; only the early sown, amounting to 25 per cent, will be harvested.

J. S. Conrad, Talley, Tenn., Apr. 29: Winter wheat is usually grown largely, but owing to late sowing and unfavorable winter crop will be short; a great deal plowed up and planted to corn; indications less than half a crop.

J. T. Freeman will erect a large grain elevator on a lot he has purchased at Burgin, Ky. Recently he sold a tract of mountain land to an eastern syndicate for \$15,000. In connection with grain he will handle coal from his own mines.

G. Robinson Hunt, operating under the firm name of Hunt & Hutchings, at Louisville, Ky., suspended business May 8, owing to the failure of a heavy customer to deposit \$80,000 in margins. Mr. Hunt is well known on the Chicago Board of Trade, of which he is a member, and where, during 90 days of last winter, his firm sent orders for over 100,000,000 bushels of grain. Mr. Hutchings retired from the firm two years ago.

### SOUTHWEST.

Christ Oelke, Anadarko, O. T.: I am lost without the Grain Dealers Journal.

W. T. Conklin, Cropper, O. T., contemplates installing a hopper scale in his 10,000-bushel elevator at that place.

The Oklahoma City Mill & Elevator Co., Oklahoma City, O. T., has increased its capital stock from \$40,000 to \$100,000.

H. H. Kline is furnishing his new elevator at Hitchcock, Okla., with the Marseilles Mfg. Co.'s machinery and supplies.

D. K. Sterrett & Co. of Billings, O. T., have purchased the farmers' elevator at Garber. J. R. Bailey, former manager, will continue in the same capacity for D. K. Sterrett & Co.

L. H. Sorey, Clyde, O. T., writes: The new elevator which will be built at this place by the Blackwell Milling & Elevator Co. will have a capacity of 5,000 bushels and be run by a gasoline engine.

The Kingfisher Mill & Elevator Co., Kingfisher, O. T., has been incorporated with a capital stock of \$30,000. The incorporators are J. H. Crabtree, H. L. Lucas, W. J. Brown and J. V. Muh.

The Oswego Seed & Grain Co. has bot the elevator at Tulsa, O. T. P. L. Price will be the company's agent. They will remodel this house as well as all the other houses which they operate along the Frisco line. New machinery will be installed.

W. A. Graham, Pryor Creek, I. T., writes: The O. O. Snyder Elevator Co. is building a 50,000-bushel elevator at this place. They will put in a feed mill and meal plant. The firm is composed of O.

O. Snyder, Pryor Creek, and W. J. Oliver, Augusta, Ga.

W. T. Conklin, Cropper, O. T., informs us that the crops in his section are in fairly good condition. Wheat was partly froze out, but will make a good three-fourths of a crop. The ground is in good condition, plenty of rain. Wheat, corn, oats and all fruits and garden stuffs look splendid.

R. McMillan, chief grain inspector for the port of New Orleans, reports that the exports for April, 1902, from New Orleans to be: corn 77,011 bushels, wheat 700,970 bushels, oats none, as compared with April, 1901, shows a decrease for corn 1,193,960 bushels, wheat 1,850,686 bushels, oats 415,500 bushels.

The Illinois Central Railroad Co. has placed an order for a huge Hess Pneumatic Grain Drier and Cooler for its new elevator property at New Orleans, La. This drying apparatus is to be of the latest model, and installed in separate brick buildings; it is to handle export grain exclusively, and will have a capacity of 25,000 to 40,000 bushels daily.

The Southern Elevator Co., Oklahoma City, O. T., has been formed, with a \$25,000 capital stock. This company will operate elevators along the route of the Choctaw Railroad, in Oklahoma Territory, in the counties of Blaine, Woods, Custer, Washita, Roger Mills and Greer. The incorporators are W. M. Grant, Buran House and Major Moberly.

E. C. Smith, Enid, O. T., writes: The Enid Mill & Elevator Co. has begun erecting a 50,000-bushel crib elevator, using the conveyor system. The equipment will include a 60-h. p. engine, 30,000-pound hopper scale, steam shovels, in fact all modern machinery will be used. The machinery has not as yet been bot. We are having plenty of rain, crops looking good.

### TEXAS.

The Whaley Mill & Elevator Co. is building a steel elevator at Ponder, Tex.

The Gainesville Mill & Elevator Co. is building a new elevator at Ponder, Tex.

C. Bradshaw's warehouse, Terrell, Tex., was damaged by fire on May 1. Loss, \$1,000; insurance, \$800.

A. S. Lewis, a traveling man for the New Century Mills, Dallas, Tex., was recently severely injured in a runaway.

Hendricks, Doughev & Hill of Trenton, Tex., are building an elevator and will use the Constant Chain Grain Feeder in the dump sink.

Earl Rubush, Sanger, Tex., informs us that the Sanger Mill & Elevator Co. is laying the foundation for a new elevator at that place.

J. M. Smith, Nevada, Tex., informs us that the small grain crop will be short. Wheat will make 10 bushels to the acre and oats half a crop. We have been having some good rains and corn is looking well.

Schiff & Weathen, Gunville, Tex.: The Gunville Mill & Elevator Co. is erecting additional storage room to their elevator. Wheat acreage light, but prospects good. Oat crop prospect not very encouraging.

Louis A. Hightower, Smithfield, Tex., writes us that wheat is in bad condition, some farmers thru this vicinity cutting it for hay, others pasturing. If we have rain in five days some probably would make seed. Oats need rain. Corn looking well.

W. C. Price, Lampases, Tex.: The dry weather has shortened the wheat and oat crop of this part of the state until it will almost be a complete failure. Corn is

looking fine and promises a good crop, and with the rains that are now coming we will have a good corn and cotton crop this year.

Smith & Baker, Rockwell, Tex.: The prospects for crops of all kinds in this county is very poor. Have had no rain to amount to anything for a long time. Wheat and oats will not make over half a crop. Corn looks well at present, but without rain soon it will be materially injured. Grass has begun to dry up.

E. R. Kolp, Jr., of Ft. Worth was in Chicago last week and reported the stand of wheat poor and predicts the state will have 8,000,000 instead of 10,000,000 bushels. The corn crop will be large and unless something very unexpected happens we will not ship in any corn next season. Oats acreage 80 per cent of an average and good prospects for large yield.

C. McD. Robinson, chief grain inspector, Galveston, Tex., reports the total amount of wheat exported from Galveston for the month of April, 1902, to be 296,504 bushels, showing a decrease of 540,850 bushels for the corresponding month in 1901. Total exports since Sept. 1, 1901, 4,388,953 bushels, showing a decrease of 5,327,687 bushels for corresponding period last year.

W. H. Wingo, Wills Point, Tex., writes: Two weeks ago crops were in promising condition. For past two weeks we have had very high winds and no rain. The wind has taken the moisture from the soil, until we are having the unusual experience of a drouth in May. The oat crop and hay meadows are suffering for rain. While corn is quite small, a lack of rain for any great length of time will damage it.

### WISCONSIN.

Not in 25 years has Wisconsin been swept so clean of barley.

Memberships in the Milwaukee Chamber of Commerce are offered at \$1,000.

Fifty millers met at Milwaukee Apr. 29 and formed the Wisconsin Millers Association.

M. J. Barnes' steam feed mill at Elkhorn, Wis., was burned May 3. Loss, \$2,000; no insurance.

W. N. Killen's warehouse and hay press at Cato, Wis., was burned May 28, with grain and hay, valued at \$2,000.

Grain dealers at Milwaukee have petitioned the railroads to grant the same time for unloading cars that is permitted at Chicago.

Peter Spartz, manager Froedtert Bros' elevator, Saukville, Wis., writes that Peter Smith is building a grain and potato elevator at Granville station.

Milwaukee capitalists are figuring on the feasibility of erecting a steel and concrete grain elevator on the river, with a 600,000-bushel working house, and 1,000,000 or 2,000,000 bushels additional capacity in tanks.

The grain inspector of the Milwaukee Chamber of Commerce hereafter will be required to inspect screenings when desired, for a fee of \$1. Some receivers consider \$1 an excessive fee for sampling a car and claim the charge should be the same as for other grain.

Fire at Bear Creek, Wis., recently destroyed the store of the P. D. Murphy Grain & Mercantile Co., together with the adjoining elevator and house. The wind was blowing nearly 100 miles per hour, so nothing could be done to save the plant. Loss, \$20,000; insurance, \$10,000. The company will build a new store and elevator.



## The Grain Car.

[From an address delivered by A. E. Schuyler, Asst. Board of Trade Weighmaster, Chicago, at Annual Meeting of Iowa Grain Dealers Association.]

Have you ever considered what the shipper's of grain ought to demand, and what improvements are essential to the most satisfactory conditions?

In this era of modern improvements, perfection itself has been almost attained along many lines. Why not perfect the grain car? In presenting to you my views on this subject, it will be necessary to divide it into three parts, viz., Sheathings, Linings, Patent Grain-doors.

**SHEATHINGS**—Taking up the first part, I will endeavor to demonstrate to you that a great many leaks, due to loose and bulged sheathings, are never discovered. This is especially true in a large percentage of cars that have been long in commission. The numerous nails of various kinds and sizes often found in the bottom of sheathings, indicate that they have been loose and probably leaking at some time; yet, weighmasters' reports record an exceedingly small number of leaks at this point. The reason for this is, that siftings at this junction are not noticeable unless the car is being switched and knocked about. The most severe strain comes on a car in rounding a curve, when the tension is concentrated along the sides. At such times, the strongest sheathings will often bulge and spread to such an extent as to allow the escape of grain. Since cars of larger capacity and increased length have come into more general use, this danger is many times greater. In proof of my contention that this is one of the dangerous points, I wish to mention an incident that occurred last week in one of the railroad yards at Chicago. I stopped to watch some railroad employees make flying switches of 12 loaded cars, one at a time. The cars, to all appearances, were in fine condition. In the concussion produced by this switching, 5 of the 12 cars temporarily buckled, opening the side sheathings to such an extent as to allow small streams of grain to leak out. Yet, afterwards, when I pounded on them with a small piece of iron, I could dislodge grain from only one. I do not believe it possible to prevent the bulging and loosing of these sheathings and think the only remedy lies in providing a lining that will not allow the grain to come in contact with the sheathings.

**LININGS**—This brings us to the subject of linings, which are of vital importance to car construction. Wooden boats are provided with a tight inner skin, which does not permit of pressure against the outer shell. Why not so line a car? Of course, this car lining would necessarily have to be of metal, as one of wood would be continually spreading or getting punctured, thus creating recesses where grain would lodge. My attention was recently called to a steel lining, which might overcome the existing difficulties. I have here a model of a car showing a section lined with steel. The question is, however, "Would a continuous steel lining be practical from the railroads' point of view?" If so, it would prevent petty grain thieves from boring holes in the floor and would also keep grain from leaking through and lodging between it and the sheathings, thus preventing loss of grain and also saving much time at unloading points, as it would require less effort to clean the cars. It would also save the railroad companies much expense by preventing thieves, who, to obtain a few pounds of grain, destroy thousands of dollars worth of linings every year. It seems to me that some sort of a lining should be used, which is practically indestructible. Many a shipper has often racked his brain trying to unearth some reason for small shortages ranging from 300 to 500 pounds, when a bad lining might cause a shortage of a much greater amount without being detected.

**PATENT GRAIN DOORS**.—I will now dwell upon the last, but by no means less important part of my subject, "Patent Grain-doors."

Do the patent grain-doors now in use meet the requirements for which they are intended? Judging from the number of them that arrive at terminals bulged and shifted, I would say, they do not. What is wanted is a grain-door that will not only facilitate unloading, but one that will properly protect the car's contents. The inventors of to-day seem to have a single idea as to grain-doors, and that is speed, and until they invent one that covers both speed and protection satisfactorily, there will be no change in patent grain-doors. The railroads are not entirely to blame for not providing cars with expensive patent

grain-doors, for the reason that the treatment accorded them at loading points, frequently results in their being good for one trip only. These grain-doors, although provided with mechanism to secure them in place, are often nailed so firmly to the door-posts that it becomes necessary to use an axe to chop them out, thus making it very expensive for the railroad company to replace them. On this account, some roads are discarding entirely the idea of the patent grain-door and putting in its place the cheapest temporary door possible. Our only hope of ever getting the railroads to install a patent grain-door is to offer them one that is almost indestructible. It must be fastened to the car to prevent its being stolen, one that can be easily adjusted without the use of nails, and the mechanism so arranged that it can neither shift nor bulge, and yet give the maximum of speed in unloading without mutilating the door. If there is anyone here that can devise such a door, he will not only place the shippers of grain under everlasting obligations to him, but will make himself independently rich. Gentlemen, it remains for someone with mechanical ingenuity to take up these subjects and work out the improvements along these lines. The one dominant idea is economy in the handling of grain and the opportunity for this offers a wide field to the inventor.

## SUITS AND DECISIONS

The Boutwell Milling & Grain Co., Troy, N. Y., has brot suit against the Glucose Sugar Refining Co. of New York to recover damages for alleged breach of contract in failing to fill an order for stock feed within the time limit.

Levi Z. Leiter is prosecuting his suit against Louis Dreyfus & Co. of Paris to recover \$300,000 on account of breach of contract in a sale of wheat, subsequent to the corner run by his son, Joseph. Following attachments levied last October Mr. Leiter has filed suit at New York.

The plaintiff bought and shipped over the defendant's railway to Chicago, Ill., and over the Baltimore & Ohio Railway from there to Cumberland, Md., two car loads of corn from Odebolt, Iowa, one from Correctionville and three from Carroll. The rate exacted upon delivery at Cumberland by the Baltimore & Ohio Railway Company was 28 cents per 100 pounds. The plaintiff claims that, having received a bid for 5,000 bushels of corn, he made inquiry of a bill clerk in the defendant's freight house at Carroll concerning the rate of carriage of corn in car-load lots to Cumberland, who named 22½ cents per 100 pounds, and that in reliance on this rate the plaintiff bought and shipped the corn. On the other hand, the clerk denies having had any conversation on the subject, or being possessed of authority to fix the charges beyond the terminus of the defendant's lines. The freight charges were not inserted in the bill of lading, and whether plaintiff met with any loss in the transaction is not shown. Evidently, then, unless this clerk had authority to make contracts fixing freight charges beyond the defendant's road, the company is not liable. The record contains no evidence that such power had been expressly conferred, and, if possessed at all, it must have been because within the apparent scope of his duties. In the absence of the station agent, he acted in his stead, and in deciding the case he may as well be treated as having the same authority. That he might not negotiate shipments from places other than Carroll appears from Voorhees v. Railway Co., 71 Iowa, 735, 30 N. W. 29, 60 Am. Rep. 823. It was noted on the margin of the bill of lading that transportation is to be "via B. & O. R. R." The contract was simply

to transport the corn over its own line, and deliver at its depot to the Baltimore & Ohio Railway Company, and there all responsibility ended.—*McLagan v. Chicago & N.-W. Ry. Co.*, Supreme Court of Iowa, 89 N. W. 232.

The Supreme Court of Michigan on Mar. 4 affirmed the decision of the lower court against Wm. A. McGregor, who had brot suit against the Grand Trunk Elevator Co. on account of injuries sustained while replacing and repainting the iron on the side of the elevator. The rope by which his platform was suspended was furnished by the company's foreman, and broke five minutes after he had begun work. Plaintiff claimed the rope was affected by dry rot, peculiar to ropes used in and about grain elevators, of which he was ignorant, and which was commonly known by elevator employes, and should have been known by the foreman, and that the company was negligent in furnishing him with a rope thus affected, the breaking of which without fault on his part rendered the company liable. An inspection after the rope had broken, and while the ends of it hung dangling in the air, disclosed that the strands at the point where the rope had broken were laden with dust, and that the color of the rope in these parts was darker and a deeper yellow than the natural color of the rope. These were signs which, according to the testimony of the elevator men produced on the part of the plaintiff, showed beyond question that elevator rot existed in the rope. A proper examination and inspection of the rope by Burke, the defendant's foreman, when he handed the rope to the plaintiff, would have revealed that this rotten and dangerous condition existed. The signs of elevator rot in this elevator were unmistakable to any competent elevator man, and, had Burke made even a casual examination, he would have known that this dangerous rot existed in the rope that McGregor was about to use to sustain himself on a little scaffold more than seventy feet from the ground. Three witnesses testified that the effect of dust in elevators was to dry-rot Manila rope, and that when the rope assumed a deep yellow color it was an indication that it had dry rot. But none of these witnesses testified for what length of time there must be an exposure to dust to produce such result, nor was it made to appear how long the rope had been in the elevator. On the other hand, a large number of men who had worked in and about elevators testified that elevator dust did not have an injurious effect upon Manila rope, and that they had never heard that elevator dust would dry-rot. Mr. Burke, who made the arrangement with McGregor to do the work, and who, plaintiff claims, furnished him with the ropes, testified to the same thing, as did Mr. Johnston, who authorized Mr. Burke to employ the plaintiff.—89 N. W. 332.

Grasshoppers will swarm in great numbers this summer predict the agents of the Department of Agriculture in Kansas, Nebraska and Texas.

Baron Von Loen, who is investigating American methods of speculative trading as the representative of the German government, while in Chicago recently was shown how he could order securities bot in a market 800 miles away and have his order executed and reported upon in less than a minute. E. W. Wagner, for the baron's benefit, gave an order to buy 100 shares on the New York Stock Exchange, and received the report in 58 seconds.



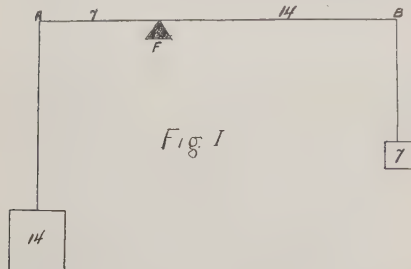
## The Philosophy of Grain Scales.

(Copyright, 1902, by J. A. Schmitz.)

By Joseph A. Schmitz, Scale Inspector,  
Chicago Board of Trade.

All material bodies have weight. This is a consequence of the earth's attraction, by which they are drawn towards it. A falling body tends towards the center of the earth, because it is attracted by every particle of the earth, not because the particles at the center have a greater attraction than any other particles. The same would be true if the earth were a hollow sphere.

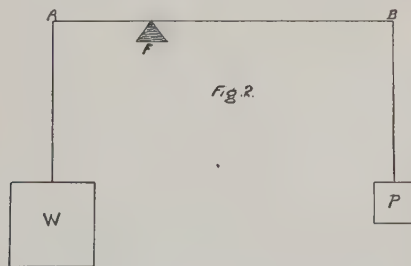
There is no material body exempt from the earth's attraction. If some objects, like smoke, or a balloon, seem not to be attracted it is only because they are immersed in the air—a fluid heavier than



themselves. In like manner a cork plunged into water immediately rises to the top, not because it is not attracted by the earth, but because the water is more attracted than itself, and therefore, displaces the cork. In a vacuum, the lightest objects fall with the velocity of metallic bodies. Weight is the measure of the force of gravity. When we say that a body weighs ten pounds, we mean that the earth attracts it that amount. Each atom that composes a body has weight, and the weight of the mass is the sum of the weights of all its atoms.

If the particles composing a body had no cohesion, each particle would obey the force of gravity independent of the rest; but, being united by cohesion, the several forces acting upon the particles are compounded so as to produce a single force which is the resultant of all these separate forces. This resultant is a force acting vertically downward and equal to the sum of all the forces affecting the particles severally.

The weight of a body at the center of the earth is nothing, because the attraction is equal in every direction. The weight of a body varies on different portions of the surface of the earth. It will be least



at the Equator, on account of the bulging form of our globe, for two reasons. First, a body here is further from the entire mass and also more removed from the center of attraction; second, because centrifugal force is strongest at the Equator. It will be greatest at the poles, because the flattening of the earth brings a body nearer to the mass, thus causing greater force of attraction; furthermore, there is no centrifugal force at these points. These

variations, however, would only affect the spring balances. In lever scales, the weights used would become heavier or lighter in the same proportion as the body to be weighed.

Since the attraction of the earth is towards the center, all falling bodies move in a direct line toward that point. This line is called the vertical or plumb line. All plumb lines point toward the center of the earth.

If a body be suspended from a fixed point it will not remain at rest unless the resultant of the weights of all its particles passes through that point; hence, if we suspend a body by a string and allow it to come to rest, the resultant of the weights of all its particles will be in the direction of the string.

If the same body be suspended successively from a number of different points, the resultant of the weights of the particles of the body will be found to have as many different positions, but all these resultants will intersect each other in a common point. This may be easily verified by taking a solid body of some material which is easily perforated. The experiment is most conveniently performed with a flat, thin plate of metal or some other solid substance. This common point, through which the resultant of the gravity of the particles always passes, is called the *center of gravity*.

A line drawn vertically through the center of gravity of a body is called the *line of direction*.

If the center of gravity of a body be supported on one point, and the body be free to turn round, the body will remain at rest in any position in which it may be placed; for the resultant of the weights of all its particles is in the direction of a vertical line passing through the center of gravity, and this resultant will be supported when the center of gravity is supported.

We may define the center of gravity of a body to be that point about which, if supported, all the parts of a body (acted upon only by the force of gravity) balance each other in any position.

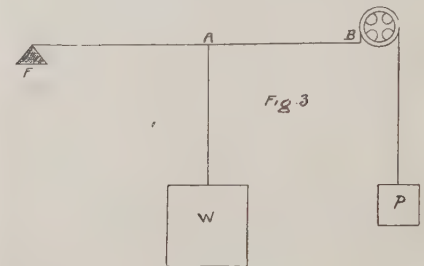
The common center of gravity of two bodies may be found from the following: In Fig. 1 two weights, A and B, acting at the extremities of an inflexible rod, will be in equilibrium about a given point, F, when their distances from that point are inversely as those weights. This point of support is the center of gravity of the two weights. For example: If the weight A be 20 ounces, and B 10 ounces, and if the length of the arm AF is 7 inches, then, in order that the two weights may be in equilibrium, BF must be 14 inches.

There are three different positions in which the center of gravity may be supported: First, the prop may be applied directly to the center, in which case, the body will rest in any position, as in the common wheel. This is called a case of indifferent equilibrium. Second, the point of support may be above the center of gravity, in which case, if we deviate the body from this position, it will always tend to return to it; and it will not rest until the center of gravity is vertically under the point of support. This is called a case of stable equilibrium. It is seen in a weight suspended by a thread from a hook. Third, the point of support may be beneath the center of gravity, in which case if the center of gravity be in the least removed from the vertical position, instead of returning to it again, it describes an entire semi-circle, and, after a series of oscillations, comes to rest vertically below the point of support. This is called a case of unstable equilibrium.

## THE LEVER.

The lever is an inflexible bar, supported on a point or pivot, about which it moves freely. This point of support is called the fulcrum. Generally, the lever is a straight bar; sometimes the two arms form a right angle; and they may be inclined to each other at any angle. Levers are commonly divided into three classes. In a lever of the first kind, the fulcrum is between the weight and the power, as shown in Figure 2.

In a lever of the second kind, the weight is between the power and the fulcrum, as shown in Figure 3.

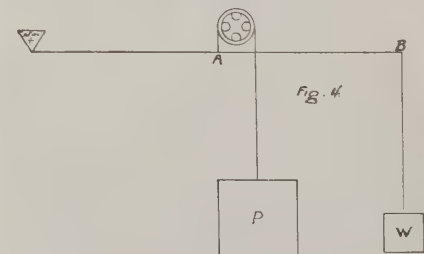


In a lever of the third kind, the power is between the weight and the fulcrum, as shown in Figure 4.

According to what has been shown in treating of the center of gravity, there is an equilibrium between the power and weight in a lever of the first kind, when the power and weight are to each other inversely as their distances from the fulcrum.

Experiment.—With a lever of the first kind, Fig. 2, a power of 16 ounces acting on an arm 5 inches long, balances a weight of 5 ounces acting on an arm 16 inches long.

The effect of the power to turn the lever round its fulcrum is called the momentum of the power, and the effect of the weight to turn the lever round its fulcrum is the momentum of the weight. Hence, when there is an equilibrium, the power and weight have equal moments. If we increase the amount of the power, or increase its distance from the fulcrum, the efficiency of the power to turn the lever will be increased in the same ratio.



In a lever of the second or third kind, the conditions of equilibrium are the same as in one of the first kind; that is, the power and weight must be to each other inversely as their distances from the fulcrum.

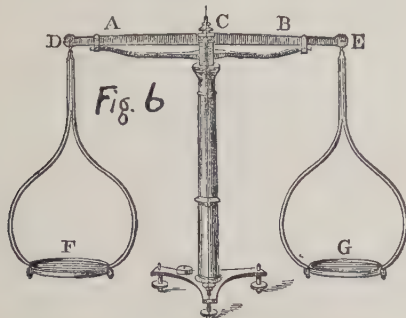
With a lever of the second kind a power of 6 ounces acting on an arm 30 inches long, balances a weight of 18 ounces acting on an arm 10 inches long. With a lever of the third kind, a power of 20 ounces, acting on an arm 4 inches long balances a weight of 4 ounces acting on an arm 20 inches long.

We have an example of the lever of the first kind, when one end of a bar is placed under a block of stone and the weight of a man is applied to the other end of the bar, the fulcrum being another stone placed near that which is to be raised. We



have an example of a double lever of this kind in a pair of pincers or tongs.

We have an example of a lever of the second kind when a bar is used to lift a heavy stone by raising one end of the bar with the hand, while the other end rests on the ground, and the stone is raised by an intermediate part of the bar. Nut-crackers are composed of two levers of the second kind.



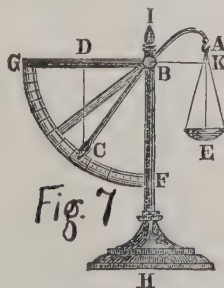
A door, when moved upon its hinges by a hand applied near the hinge, is an example of a lever of the third kind. We have an example of a double lever of the third kind in a pair of tongs used to hold a coal. The human arm is also a lever of the third kind. The force exerted by the muscles must be over 6 times the weight to be lifted by the hand. What we lose in power, we gain in speed of motion. We desire to perform quick movements with our hands, hence, nature provides the most efficient mechanism.

In the rectangular lever, Fig. 5, the arms are perpendicular to each other and the fulcrum is at the right angle. A power of 5 ounces, acting on an arm 21 inches long, balances a weight of 15 ounces acting on an arm 7 inches long.

In a lever of whatever form the power and weight must be to each other inversely as the perpendiculars let fall from the fulcrum upon the lines of direction in which the forces act. A hammer, when used for drawing a nail, affords an example of the rectangular lever.

#### WEIGHING MACHINES.

In weighing machines the motion of the mechanism is used only to indicate the equilibrium of the forces applied to them, either through the cessation of such motion or by its becoming an oscillation about a certain position. These forces may either be weights, that are to be compared with each other, or other forces to be com-



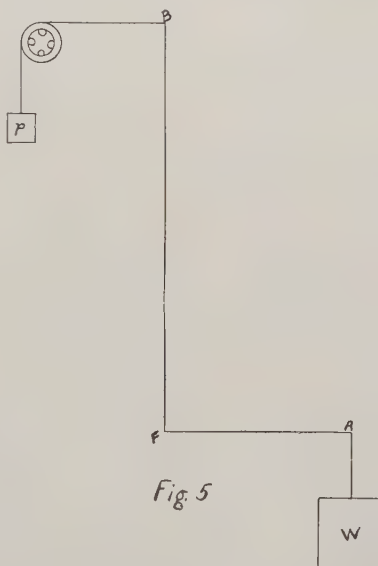
pared directly, or indirectly, with other weights. The machine for comparing weights, which is the simplest, as well as the most accurate, is the balance, in which the equality of two weights is ascertained by their balancing each other at the ends of a lever of equal arm.

The balance is a lever of the first kind with equal arms. The most important parts to be attended to in the construction of a balance, Fig. 6, are the *beam*,—A B, the *fulcrum*,—C, and the *points of suspension*—D and E. The sensibility of the balance

is increased by lengthening the arms, but if they are too long they are liable to bend and their weight increases the friction on the support. In delicate balances designed for small weights, the beam seldom exceeds 12 inches. The *fulcrum* is made of hardened steel, usually in the shape of a triangular prism, and it rests on plates of hardened steel or agate.

The *center of gravity* of the beam should be a *little below* the center of motion. If it coincided with the center of motion, the beam would rest indifferently in any position when the weights were equal, whereas, we wish it to come to rest in a horizontal position. If the center of gravity were *above* the center of motion the smallest inequality of the weights would upset the beam. If the center of gravity were far *below* the center of motion the equilibrium would be too stable, and a slight difference between two weights could not be detected.

The sensibility of the balance increases as the center of gravity approaches the center of motion. A straight line joining the points of suspension should pass through the center of motion; for when weights are added to the scale, the effect is the same as if the weights were concentrated in the points of suspension. The



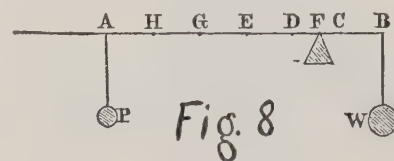
sensibility of the balance is estimated by the fraction of the whole weight which it requires to turn the scales when loaded. If, when loaded with a thousand grains, the beam turns with one grain, its sensibility is one 1-1,000. The sensibility of all scales, of whatever capacity, is estimated in the same manner.

The bent lever balance, Fig. 7, consists of a bent lever—A, B and F, one end of which (C), is loaded with a fixed weight, while (A), the other, supports a pan (E) to receive the merchandise. As the weight in the pan is increased, the other end of the lever is thrown outward, the effect of which is the same as if the lever were lengthened; for the weight in the pan (E) has to C the same ratio as B D to B K. The scale F G may be graduated by putting known weights into the scale pan, and observing the corresponding positions of the arm C. The graduation of the scale will not be *into equal parts*.

The spring steelyard depends on the elasticity of a spiral steel spring. The amount of weight suspended is shown by an index, which moves according as the spring is compressed. This is a very convenient instrument, but its accuracy is liable to be very much impaired by use.

The steelyard is a lever of the first kind, Fig. 8, with unequal arms, A F, B F, and a given weight P, is movable along the longer arm, so as to sustain different weights suspended from the extremity of the shorter arm. It is more convenient for weighing heavy loads than the balance, but it is not capable of such minute accuracy.

The compound lever, Fig. 9, is a combination of levers, in which one is made to act upon a second, the second upon a third, etc. The effect of such a combination may be estimated by considering the effect of each lever separately. By compounding the forces of the different levers, we find that when there is an equilibrium the power is to the weight, as the product of all the arms on the side of the weight is to



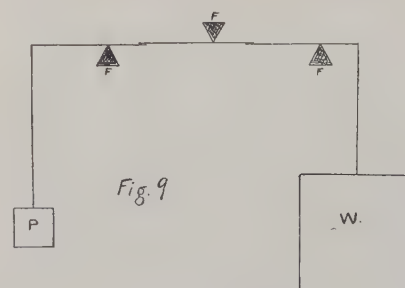
the product of all the arms on the side of the power.

Example.—In a compound lever, of which the longer arms are 9, 12 and 15 inches, while the shorter arms are 3, 4 and 5 inches, a weight of one ounce balances a weight of 27 ounces.

The principle of the compound lever is applied in weighing heavy loads as grain, hay, cotton, coal, etc. Such a machine is represented in Figure 10. In this machine, a power (P) of 10 pounds, by the intervention of a system of levers, is often made to balance a load (W) of 10,000 pounds.

These machines are composed of levers of the first and second kinds. The lever commonly called beam is a lever of the first kind with unequal arms. At the extreme end of the longer arm, there is a point of suspension from which a counterpoise hangs. This counterpoise has two purposes, viz., to balance the platform, or hopper, and the dead weight of the other levers; and to furnish a convenient place for suspending weights. The longer arm is usually graduated and a weight (called poise) is movable along it. The graduation of this arm will be into equal parts.

The main, or direct levers, those upon which the platform or hopper, etc., rest, are levers of the second kind. Their combined force is brought to a common point, thence, it is conveyed by means of a steelyard-rod to the final lever, or beam. The power arms of these levers of the second kind or equipped with a movable part; they can be shortened or lengthened, as



desired, and their power increased or decreased accordingly.

It is essential to accuracy in all scales, that the friction should be less than the smallest admissible amount of error. To diminish the friction as much as possible, the axes of motion are all knife edges of hardened steel. The bearings most com-



monly used to support the fulcrums of levers of the first and second kinds are clevis shaped loops. Each loop has two bearings, and the pivot passing through the lever rests upon these bearings; that part of the eye of the loop upon which the knife edge of the pivot rests is equipped with a guard on the lever side, and at the knife edge, as shown in Figure 11. Thus the point of contact is very small and at the center of motion, reducing the friction to the minimum. These loops are usually made of welded iron and that part upon which the pivot rests is inlaid with hardened steel. In cheaper machines, these loops are made of cast iron, which is

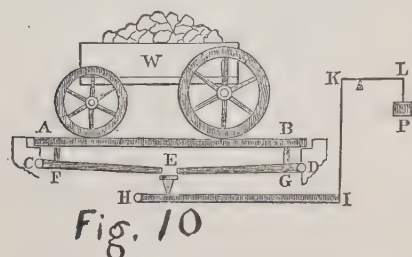


Fig. 10

hardened by heating to a very bright cherry-red and then applying prussiate of potash to that part of the eye upon which the pivot rests; this process is called case hardening, and it creates a very hard, thin shell, which, when worn through, allows the pivot to cut into the soft iron beneath, thereby creating additional friction and often destroying the accuracy as well as the sensibility of the machine.

All other bearings, whether flat or concave, should be either of steel or inlaid with it. "Chilled-Iron" or "Hard-Iron" bearings are not used in the construction of reliable scales.

It is most essential that all levers be in a horizontal position, that the knife edges are protected from rust and are always kept sharp and that the motion of the mechanism is in no manner retarded. With these facts in mind, we can readily see how necessary it is that, first, all fulcrums be as rigid as possible, and that the foundations supporting the scale be construct-

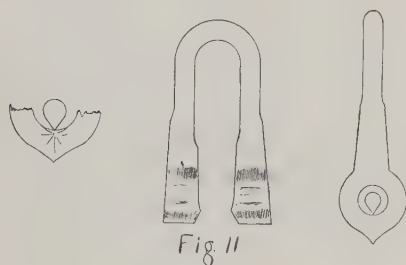


Fig. 11

ed with that end in view. For track, wagon and stock scales, foundations of concrete or stone give the best results. Large scales located in the upper parts of buildings, such as hopper scales for weighing grain or tank scales for weighing oil, etc., should have foundations of iron. All foundations must be level. Second, all levers, hoppers, platforms, and other parts of weighing machines must be free to oscillate. If this freedom of motion is impaired in any way, the accuracy, as well as the sensibility of the scale is destroyed. The Steelyard-rod, which connects the main lever with the final lever, or beam, should always be in a vertical position.

That a machine of which such minute accuracy is expected should receive proper care is obvious, but still we find that of all machines in constant use, scales are the most neglected.

## Liable for Loss Incurred by Delay of Telegram.

Occasionally the Western Union Telegraph Co. delays the message of a firm or individual, who is goaded on to fight for his loss by the poor service rendered, and the entire trade profits by the prosecution. As long as patrons will tolerate the inferior service and accept losses without protest, the Western Union will neglect to improve its facilities.

A case was recently tried at Fremont, Neb., which is of more than usual interest to grain shippers, because the telegraph company whose service is notoriously poor was routed at every point, and judgment for the full amount of loss, costs and interest rendered against it.

Nye & Schneider Company,  
Plaintiff,

vs.  
Western Union Telegraph  
Company,  
Defendant.

On this 20th day of March, 1902, this cause came on for hearing, the plaintiff appearing by Courtwright & Sidner, attorneys, and the defendant appearing by E. M. Morseman, Jr., its attorney, and the jury having been waived the trial proceeded to the court. The evidence having been received and the cause argued and being submitted to the court, the court, on due consideration thereof, finds for the plaintiff and finds that there is now due from the defendant to the plaintiff upon the cause of action set out in plaintiff's petition the sum of one hundred fifty-eight and ten one-hundredths dollars.

It is therefore considered and adjudged by the court that the plaintiff have and recover of and from the defendant the sum of one hundred fifty-eight and ten one-hundredths dollars with interest thereon at seven per cent from this date and the costs.

On June 13th, 1901, Plaintiff's General Office, at Fremont, Nebraska, received a wire from their Moorhead, Iowa, agent, stating that a local feeder offers 35c per bushel for 5,000 bushels of shelled corn, which plaintiffs then had on hand. Plaintiffs wired their agent promptly, accepting the offer, which message was delivered to their Moorhead agent 2 days later. The Moorhead feeder waited until 7:30 that evening, and then bought the corn from other parties, and had it shipped to Moorhead. There was no other feeding demand for corn at Moorhead, and the only other outlet for corn at that time was on regular eastern shipment, and on this later basis, on the afternoon of June 13th, the corn was worth 32c per bushel on track at Moorhead, and later the corn was sold and shipped via this eastern outlet. Defendant claimed that the market was much higher later, and that this same corn was sold at much higher figures, whereby plaintiff made considerable money by their failure to make the sale contemplated in the delayed message. Plaintiff claimed that this corn was hedged, whereby the advance and decline in the market did away with any basis for figuring except the 3c per bushel loss shown clearly on June 13th, when said sale was missed by reason of such delayed message.

## Census of the Grain Crops.

Advance sheets issued by L. G. Powers, chief agricultural statistician of the Census, Department of the Interior, show the crops of wheat, corn, oats, rye, barley and buckwheat grown during 1899 to have been as follows:

	Wheat. bushels.	Corn bushels.	Oats. bushels.	Rye. bushels.	Barley bushels.	Buck- wheat bushels.
Alabama ..	628,775	35,055,047	1,882,060	11,123	2,400	76
Arizona ..	440,252	204,748	43,246	190	458,775	
Arkansas ..	2,449,970	44,144,098	3,909,000	19,125	2,809	421
California ..	36,584,407	1,477,093	4,972,356	524,451	25,149,335	7,835
Colorado ..	5,587,770	1,275,680	3,080,130	26,180	531,240	226
Connecticut ..	8,660	1,931,510	316,380	263,400	3,400	62,962
Delaware ..	1,870,570	4,736,580	131,960	12,380	40	23,980
District of Columbia ..	410	14,980	620	290		
Florida ..	800	5,311,050	297,430	4,840	320	30
Georgia ..	1,765,947	34,032,230	3,115,610	54,492	2,200	26
Hawaii ..		115,909				
Idaho ..	5,340,180	111,528	1,956,498	17,280	968,514	800
Illinois ..	19,795,500	398,149,140	180,305,630	1,104,670	686,590	68,400
Indiana ..	34,986,280	178,965,070	34,565,070	554,300	260,550	102,340
Indian Territory ..	2,203,780	30,709,420	4,423,810	1,140	3,610	
Iowa ..	22,769,440	383,453,190	168,364,170	1,179,970	16,059,060	151,120
Kansas ..	38,778,450	229,937,430	24,469,980	807,230	1,474,150	15,203
Kentucky ..	14,254,500	73,974,220	4,009,830	155,365	17,772	879
Louisiana ..	2,345	22,062,580	316,070	372	110	
Maine ..	116,720	645,040	3,799,433	9,290	252,850	468,380
Maryland ..	9,671,900	19,766,510	1,109,560	279,550	42,560	115,950
Massachusetts ..	1,769	1,539,980	240,990	40,294	14,987	36,034
Michigan ..	20,585,140	44,584,130	36,338,145	2,130,870	1,165,288	605,830
Minnesota ..	95,278,660	47,256,920	74,054,150	1,866,150	24,314,240	82,687
Mississippi ..	87,257	38,789,920	862,805	963	330	
Missouri ..	23,072,768	208,844,870	20,545,350	220,338	28,969	21,400
Montana ..	1,899,683	75,839	4,746,231	33,120	844,140	168
Nebraska ..	24,924,520	210,974,740	58,007,140	1,901,820	2,034,910	8,620
Nevada ..	450,812	14,614	151,176	1,929	224,035	
New Hampshire ..	4,035	1,080,720	497,110	5,320	46,690	43,360
New Jersey ..	1,902,590	10,978,800	1,601,610	831,410	4,790	234,275
New Mexico ..	603,303	677,305	342,777	1,064	24,107	73
New York ..	10,412,675	20,024,850	40,783,900	2,431,670	2,943,570	3,815,350
North Carolina ..	4,342,351	34,818,860	2,454,768	133,770	4,237	52,572
North Dakota ..	59,888,810	1,284,870	22,125,331	368,240	6,752,060	10,760
Ohio ..	50,576,800	152,055,390	42,050,910	257,120	1,053,240	164,605
Oklahoma ..	18,124,520	38,239,880	5,087,930	41,220	346,730	170
Oregon ..	14,508,686	859,523	6,725,828	109,234	1,515,150	7,010
Pennsylvania ..	20,632,690	51,860,780	37,242,810	3,944,750	197,178	3,922,980
Rhode Island ..	310	288,220	47,120	7,710	6,100	650
South Carolina ..	1,017,319	17,429,610	2,661,670	19,262	3,106	151
South Dakota ..	41,289,380	32,402,540	19,412,490	454,860	7,031,760	2,790
Tennessee ..	11,024,010	67,307,390	2,725,330	107,912	21,636	8,597
Texas ..	12,266,320	109,970,350	24,190,668	42,770	80,366	333
Utah ..	3,413,470	250,020	1,436,225	29,980	250,790	640
Vermont ..	34,650	2,322,450	2,742,140	31,950	380,940	196,010
Virginia ..	8,907,510	36,748,410	3,269,430	246,834	53,346	244,521
Washington ..	21,187,527	218,706	5,336,486	44,945	3,641,056	1,865
West Virginia ..	4,326,150	16,610,730	1,833,840	111,031	3,660	267,257
Wisconsin ..	9,005,170	53,309,810	84,040,800	5,142,606	18,699,690	489,895
Wyoming ..	348,890	38,000	763,370	15,580	29,690	245



## Meeting Illinois Valley Dealers.

The monthly meeting of the Illinois Valley Grain Dealers Association was called to order by President Hogan, in the Grand Pacific Hotel, Chicago, Wednesday, April 30th, at 2:30 p. m.

Mr. Coon acted as secretary of the meeting until the arrival of Sec'y Dunaway.

The minutes of the last meeting were read and approved.

A committee consisting of Messrs. Bruce, Haines and Coon was appointed on complaints.

President Hogan introduced Mr. Warren, president of the Chicago Board of Trade, who addressed the dealers as follows:

Mr. President and Gentlemen: I deem it a great compliment to be invited to meet with you to-day and to say a few words to you. I wish to say first that I think it is a matter for mutual congratulation that the scope and usefulness of organizations such as this seem to be on the increase in all the great grain growing states. The beneficial results of united efforts are so palpably favorable that I trust this movement will go on and that your association, in common with all others, will continue to grow in numbers, and strength, and usefulness.

Your worthy secretary has suggested that I say a few words here to-day on the subject of bucket-shops. Now it seems to me at first thought that it is a work of supererogation for me to say anything on that subject to a lot of the principal grain dealers of the country, old veterans in the business from the state of Illinois. It seems as though you must know all about it already. But when I hear, as I frequently do, about some old grain dealer going into a bucket shop to trade, because he can do it more conveniently, or because he gets quicker service or something of that sort; or when I hear the statesmen of this country say, as I have heard them say, prominent majority leaders in Congress, within the past month, that the only difference they can see between the commercial organizations of the country and bucket-shops is one of degree, that it is simply a question of big gamblers, versus little gamblers, I feel that it is my place to lose no opportunity to discuss this matter either orally or in writing.

An exhaustive discussion of this subject would necessarily first go into the ethics of speculation. Now it is impossible for me to do that in the short time I have, even if I were so disposed, and it is a question whether or not any good would result from it anyway. The subject is as bottomless as the tariff or religion. I know that there are a great many good people that condemn all speculation. I am not going to take issue with them here to-day, but simply say that I do not agree with them, and we all know that speculation in the products of the soil has existed ever since the time that Jacob went down into Egypt to buy corn, and undoubtedly always will. If we can divert this into public channels, we make it perform a public function, diverted into so-called bucket-shops, there is no excuse for its existence. All gambling is speculation, but all speculation is not gambling. It is just as impossible to stop all speculation as to stop all drinking, but you can regulate it and make it perform a public function.

You know that we raise in this country every year something like 3,335,000,000 bushels of wheat, corn and oats. You know that the bulk of these crops is disposed of by the farmers every season after har-

vest and that pending the time that consumption catches up with this big supply it is stored in country cribs and elevators and terminal elevators and warehouses of one kind or another all over the country. You know the present system which has grown up and become an integral part of the fabric of the whole grain trade of the country, is to sell this stuff for future delivery. The commercial exchanges of the country, the Chicago Board of Trade and others, furnish you the facilities for this selling for future delivery. The consumer cannot take the grain as fast as the producer sells it, somebody has got to get in there under the load and keep under it, until the consumer catches up with the seller.

In that way the speculator performs this valuable public service, and without him prices must inevitably decline. Without this opportunity to hedge yourself, you must buy on a much greater margin. Instead of handling grain as now many of you do, on a fractional margin, you would probably want two, three or even five cents a bushel to protect yourself against this fall of the market. In that way these hundreds and thousands of speculators all over the country, who buy 5,000 or 10,000 bushels of wheat, corn and oats from the country shipper, take this grain off your hands, and as long as he holds that contract, his influence on the market is just as great and just as beneficial as the shipper who buys it to ship or the miller who buys it to grind. It is this speculator that carries the load.

What is the result if this speculator goes into a bucket-shop? The appearance of his place is quite similar. There is the telegraph wire, the ticker and the sign, which probably reads "Broker" or "Commission Company" or something of that sort. He uses quotations simply as a gambler uses dice to decide a bet. The buyer puts up his margin. If the price declines the money gets into the till and that is all there is of it.

Now, when he sells to the commission merchant on 'Change what is the result? The commission merchant has to find a bona fide seller and this competition is what keeps the market alive and without it, it would die, as it nearly did two years ago, owing to the excessive business bucket-shops were doing all over the country.

The Chicago Board of Trade during the past twenty years has periodically, somewhat spasmodically, attempted to close up these bucket shops. They have in the last two years gotten a little farther than ever before. They have entered upon a new line, and under the contention that through dealing with quotations they became their property right, and having a property right in them, they can withhold them from any one using them for unlawful purposes. This contention has so far been upheld by the courts.

Judge Kohlsaat approved of our position in regard to the ownership of quotations. The same decision has been rendered in the state of Wisconsin, and through the instrumentality of these decisions we have driven every bucket shop out of the city of Chicago, in so far as grain dealing is concerned. We have closed up every bucket-shop in northern Illinois. We have bills for injunction in the states of Indiana, Missouri, in St. Louis and Kansas City, in the state of Nebraska and the state of Ohio. We think what we have accomplished at home here can be done elsewhere, as fast as we can widen the scope of our effort and get the money to carry on the campaign.

In the case of the Christie Commission

Co., the evidence of the defendant showed that in one year, the volume of the business in that one bucket-shop amounted to 157,000,000 bushels. Now consider what the effect on the market would be if this speculation, which amounted to 157,000,000 bushels in one bucket-shop in this country, was all placed upon the exchanges of the country, where it meets bona fide selling and bona fide contract is made, where in every transaction there are four parties.

Thus you will see, that not only you, as dealers, are interested in this subject, but also the question of public morals comes up in a very emphatic way. As you know, men would go into a bucket-shop to gamble that would never go into a gambling house or policy shop. Every good citizen should be interested in this subject as a matter of public morals. I believe that every man here should give his moral support and influence in this single-handed contest, which is being carried on and has been for years, at an enormous cost of money, and I hope that in the not far distant future, we will be able to report a much greater progress than we can at the present time.

I thank you, gentlemen, for your polite attention.

Chief Grain Inspector Bidwill of Chicago was then called for and spoke as follows:

I assure you that I am very proud to be asked to address you on the running of the grain inspection department, which each and every one of you is especially interested in. I wish to state first that I have been connected with the grain inspection department since 1877. I have served in every capacity from a helper to third assistant, which is commonly known as House Inspector. I have served about three years as helper, about four years as House Inspector, about five years as second assistant and eleven years as first assistant. I want to say, now I am chief and will have been a year to-morrow.

I want to say to the grain dealers here that it is a part of my occupation and also the railroad and warehouse commissions, who are the members of the board that have the power, according to law, to fix the different grades. I wish to say to the gentlemen here interested in the grain business, that if ever at any time attention is called to being too severe on any of these grades, that the railroad and warehouse commissioners, who have the power by law to change these grades, are always willing and ready to change it. In my time the grades of grain have been changed several times by the commissioners.

It is not the intention of any grain inspection department to be too rigid or hard on grades. I have heard some say that they did not get any percentage on 2 white oats. This is true. The cause is that they ship it too dirty. Every man we have to-day on our force as track inspector has had from seven to forty years' experience. We have men that served on the old Board of Trade prior to 1871. The head of the department, as Mr. Warren and others, have started from the bottom and gone to the top, and I believe are doing everything in their power to do fairness and justice to every dealer in grain. Now, gentlemen, perhaps sometime or other you have heard it stated that the inspection department is a political organization. This is not true. Prior to 1871 under the Board of Trade, there was a great deal of complaint by dealers all over this state and other states that they were not getting justice, consequently the state



legislature changed it into the hands of the state. I wish to say right here that I do not believe you could ever find a chief grain inspector that did not look for the very best men to act as inspectors, and I assure you, gentlemen, that while I am chief grain inspector, that everything I can possibly do will be done, to give fairness and justice to all persons engaged in the grain business, and furthermore I know that no other chief has ever placed a man or promoted a man to track inspector unless on merit.

During the last two years there have been a number of changes. We have changed the grade of No. 1 Northern. That was argued before the Railroad and Warehouse Commissioners. Now it is the oats question. In regard to this new grade of standard oats, it has not yet been fixed in my judgment, and I will certainly consult a great many members of the Board of Trade before I have any rule printed. My idea of that is nearly this: That the standard oat grade should be the better class of 3 white oats. Some men have stated that the standard oats would take in half barley or half corn, or anything to fetch it up to 28 pounds. This matter was argued before the Board of Railroad and Warehouse Commissioners in my presence and it was considered that the standard oat grade should take in the better class of 3 white oats, and that they should not weigh less than 28 pounds to the bushel. So now, gentlemen, you know what the standard grade of 3 white oats is to be. They are to be of the better class of 3 white oats and weigh not less than 28 pounds to the bushel. The rule governing the grade of 3 white oats plainly reads that "3 white oats must be clean and reasonably free from other grain." Anyone who tries to tell you that it will allow of one-third barley is not telling you the truth.

Gentlemen, whenever you think that the grain inspection department grades are too high, it is left to you. I want to state that the chief grain inspector is only a man that is carrying out the rules that are given to him. These rules can be changed by the Railroad and Warehouse Commissioners at any time they think they ought to be. I assure you that no man will ever be promoted in my time that is not thoroughly competent, either to second or third assistant.

Mr. Bidwill then read the following:

#### GRAIN INSPECTED AT CHICAGO.

The total number of cars inspected on railroads for the fiscal year ending October 31, 1901, was 213,426, which is 58,380 cars less than the previous year.

Receipts by lake and canal were 2,444,866 bushels, being short of the previous year 2,274,756 bushels.

The total in inspection by lake, canal and cars, reduced to bushels, all kinds of grain, was 241,155,033, being 50,819,116 bushels less than the previous year.

Out Inspection.—Total out inspection, regular and unlicensed elevators, amounted to 148,337,116, of all kinds of grain, being less than the previous year 22,447,258 bushels.

Taking ins and outs, our loss in business amounts to 73,266,374 bushels for the year.

The average number of bushels per car has steadily increased with the increased capacity of cars and has now gotten to a maximum, probably for years to come, and will only vary from year to year by the test of the new crop. One year it is possible to load 2,000 bushels of oats, while another year 1,500 would be considered a large weight. The old equipment of all roads which consisted of cars of small capacities is gradually being replaced by cars of 60,000 to 100,000 capacity, and as the policy of the railroads is to load to the limit our receipts of cars would decrease in proportion to the new cars put into service, and until the old supply of cars is exhausted we can only look for a steady decrease in the receipts of cars.

The average bushels for 1901 show an increase over any previous year and are as

follows: Wheat, 954 bushels; corn, 985 bushels; oats, 1,447 bushels; rye, 883 bushels; barley, 983 bushels.

Consequently, gentlemen, it causes us to raise the price of inspection to cts. a car. I assure you that just as quick as the receipts will warrant us to reduce the rate it will be done. I do not know that there is anything more that I can say on the subject that would be of interest. I thank you, gentlemen, for the kindness you have shown me.

The president introduced Mr. Geo. F. Stone, secretary of the Chicago Board of Trade, who spoke as follows:

Mr. Chairman and Gentlemen: I simply came in this afternoon to be a spectator and to listen to the proceedings of the Illinois Valley Grain Dealers Association, not with the expectation of offering any remarks at all. It is, however, a great pleasure to me to meet with you, and to recognize in the gentlemen whom I see before me, and recognize in the association, the representatives of a very material interest in this country, and particularly a very material interest in the state of Illinois.

You are the representative of a state of which the United States is justly proud, a state, in the first place without a dollar of indebtedness, a state that throws into the lap of the nation annually in the neighborhood of 264,170,000 bushels of corn, the state that contributes a large quota of other grain and of animals, and throws into the wealth of the nation an almost incalculable amount of benefits in various ways. These agricultural interests touch every industry in the land. Without these interests and without their being conserved and taken care of in the way that they are conserved and safe-guarded in this state, other interests would amount to but very little.

The state of Illinois shows more miles of railway than any other state in the Union. It is the second state in the production of coal, and it is impossible for any one in any detailed sense or in a thorough manner, to set forth the value of the products of the state of Illinois. In this great state any husbandman can come within her borders and share in the riches and resources which she presents to honest industry.

The Board of Trade of the City of Chicago is identified with the great agricultural industries of the country and the state of Illinois. It is in proportion as the Board of Trade fosters these interests that she prospers. Our interests and your interests are one and the same, and whatever promotes these interests of the state of Illinois, and particularly the agricultural interests, promotes the well being and prosperity of the Board of Trade of the city of Chicago. The Board of Trade of the city of Chicago never would have been in existence had it not been for the vast resources of this great Mississippi Valley, and it is constantly identified with these interests and in everything that pertains to them.

It is because of this relationship that the various methods for caring for grain and other great farm products have been devised and have been changed and perfected from time to time according to the exigencies and demands of the trade, and of the interests which this trade represents. We are striving to protect these legitimate industries, we are striving to stop all illegitimate methods, which are exposed to honest, straightforward business transactions. We are opposed to everything that is not bona fide, that is not founded on good faith. Every sale that is made under the rules of the Board of Trade of the City of Chicago is bona fide,

that is, the seller in good faith stands ready to deliver what he sells, exactly according to the terms of his contract, and every buyer stands ready to receive what he purchases and to pay for it when it is delivered to him under the terms of the contract, and to pay for it immediately. They are transactions founded on an intention to deliver and an intention to receive. They are in contrary distinction from transactions that are not bona fide, that are merely pretended transactions, that are unmercantile transactions, that do not contribute one single thing to the industry of the land. They are in contrary distinction to all these transactions, or in other words, they are in contrary distinction to bucket-shop transactions.

I want to say that the Board of Trade of the City of Chicago is especially interested in the Illinois Valley Grain Dealers Association, and will be ready at all times to co-operate with you in all methods of transacting business that have in view the common welfare, and have in view the development of the best methods of transacting business.

We should not forget how proud we are to belong to this great state of Illinois. Its products, rich as they are in agricultural directions, in mineral resources, I need not remind you, gentlemen, they are richer in the men they produce. It matters not how great our natural resources are, how favorable our surroundings, unless we have men that will develop these resources, and mindful of the benefits that belong to these conditions by which they are surrounded. We have reason to be proud of the men of the state of Illinois and its history. We cannot forget Logan. We cannot forget Grant. We cannot forget Lincoln. We cannot forget the hosts that came from this state in '61 and '65 in the defense of this Union, in the blessings of which we contribute.

Mr. Dunaway of Ottawa: I move a vote of thanks be tendered to these gentlemen who have favored us with these interesting and instructive addresses. The motion was unanimously carried.

A recess of half an hour was taken for the Committee on Complaints to prepare a report.

After recess the Committee on Complaints reported the trouble at Ottawa settled, but the situation at Grand Ridge, although temporarily disposed of, not entirely settled.

J. W. Radford called attention to the meeting of the Illinois Grain Dealers Association to be held June 17th-18th in Decatur, and urged all the members of the Illinois Valley Association to attend.

Mr. A. W. Lloyd stated that the membership of the Illinois Grain Dealers Association has been increased by almost 200 members during the past year. He also stated that the association was in good working order and full of enthusiasm, and assured all that they would have a good time if they attended the annual meeting. He also called attention to the new directory of the grain dealers of Illinois which the Association is about to issue and asked the assistance of every dealer in the endeavor to make the list perfect and up-to-date.

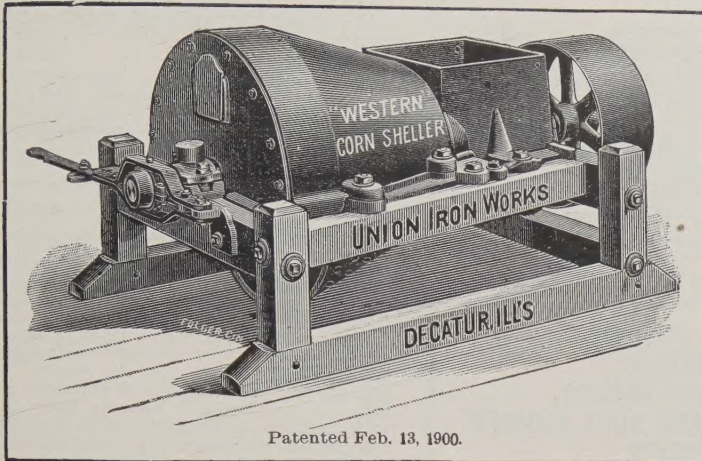
A motion was made to adjourn and hold the next meeting in Streator at the Columbia Hotel, on the last Thursday in May. Carried.

The meeting adjourned at 5 o'clock.

Hot winds have no terrors for one Oklahoma farmer. Three weeks after planting he plants new hills of corn, which develop tassels in time to fertilize the early corn when injured by heat.



# "Western" Corn Sheller



Is used in more grain warehouses than any other. It has been improved with an adjusting lever, so that the cylinder may be adjusted while running, to all kinds and conditions of corn.

Made  
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Eight  
Sizes.

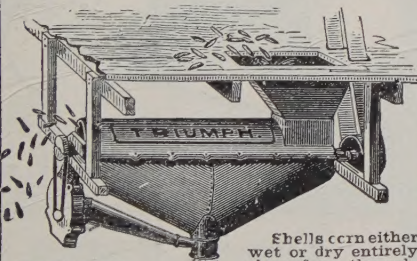
## Western Shaker Cleaner

Has adjustable screens; separates corn from cob and cleans wheat or oats thoroughly without changing screens. Write for description to

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Elevator Machinery a Specialty. Elevator Plans made on application by our licensed architect.

### ORIGINAL TRIUMPH SHELLER



HUNDREDS  
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Shells corn either  
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which reduces to bushels of 68 pounds each, any weight of ear corn from 100 to 6,500 pounds will be sent to anyone for 25 cents.

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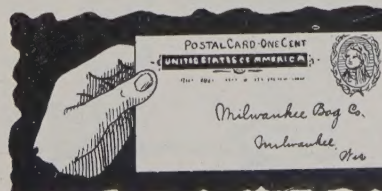
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A postal--Only a postal to get our prices.

**BAGS** Seamless Cotton Grain  
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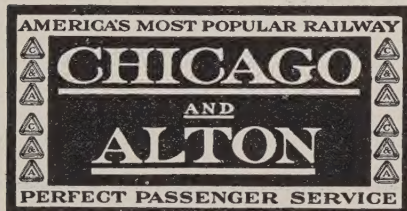
in Illinois, Iowa and  
Minnesota on the line of the

## Chicago Great Western Ry.

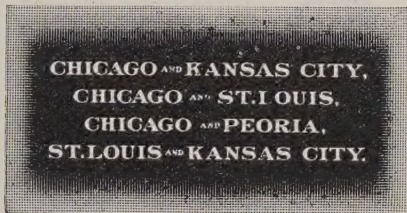
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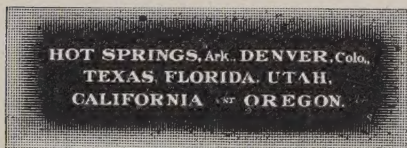
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Zoroaster, the "Prophet of Industry," glorified agriculture. "The place where a righteous man built a house and furnished it with wife, son, fire and plenty was next in sanctity to the spot where burned the sacred fire." The third most pleasant spot to the Creator, he thought, was where the most corn and fruit were cultivated. He said, "Whoso cultivates barley, cultivates virtue. When wheat appears the demons hiss, when the grain is ripe they flee in despair."

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COAL FIELDS,  
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The American Hominy Co. has been incorporated under the laws of New Jersey with headquarters at Chicago, Ill., to operate nine of the largest corn-grinding concerns, known as Bates' mill, Indianapolis Cerealine Manufacturing Co. mills, Indianapolis; Pratt Cereal Mill Co., Decatur; Shellabarger Mill and Elevator Co., Decatur; Hunt mills at Terre Haute, St. Joseph, Mo., and Mount Vernon; Jenks mill, Terre Haute; Miami Maize Co., Toledo; Morton mill, Hamburg, Ia.; Wright mill, Danville. The officers are: President, Harry Bates, Indianapolis; vice-president, R. E. Pratt, Chicago; secretary, W. L. Shellabarger, Decatur; executive committee, B. G. Hudnut, T. Gaff, Harry Bates, Indianapolis; R. E. Pratt, Chance Williams, Chicago.

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**Saves Time, Money and Prevents Errors.**

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The values are shown directly from the pounds without reducing to bushels.

Quantities are shown in red figures, and values in black. The price being given at top and bottom of columns on each page.

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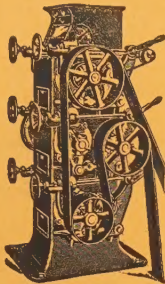
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Gear or Belt Drive  
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Ours has no equal in **STRENGTH, DURABILITY, EFFICIENCY, CONVENIENCE, CAPACITY, and QUALITY OF WORK.**

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When it will handle your dust and refuse automatically, and give you a **CLEAN Elevator.**

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It will save labor. It will save insurance. It will save time and money. It will pay for itself many times over. Any valid reason why you should not have it?

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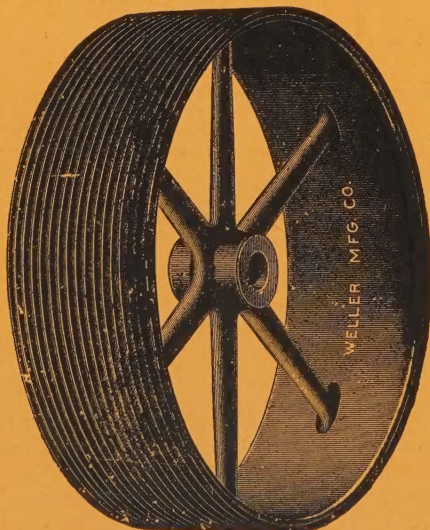
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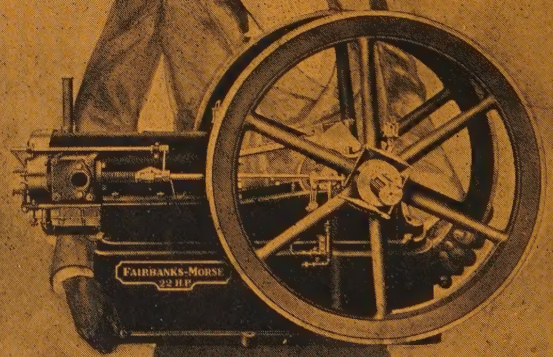
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